

The Jini Technology

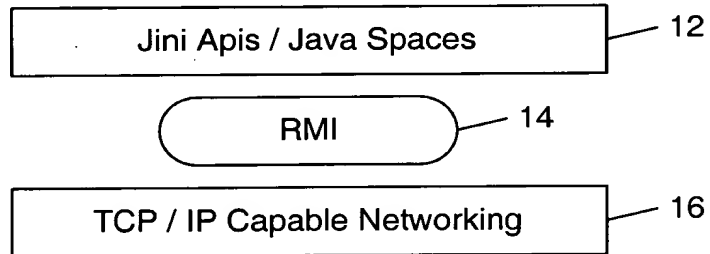


Fig. 1
(Prior Art)

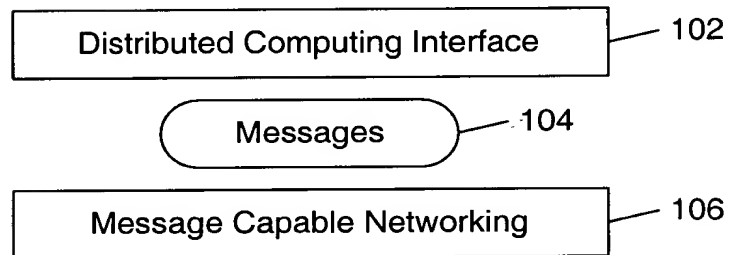


Fig. 2

09672145-092700

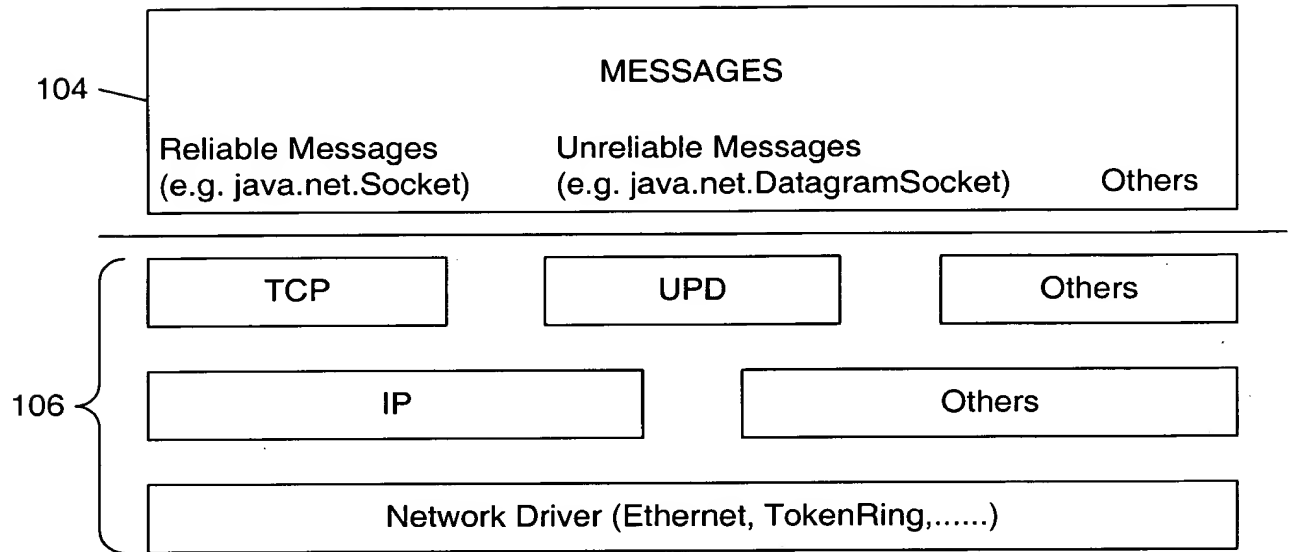


Fig. 3

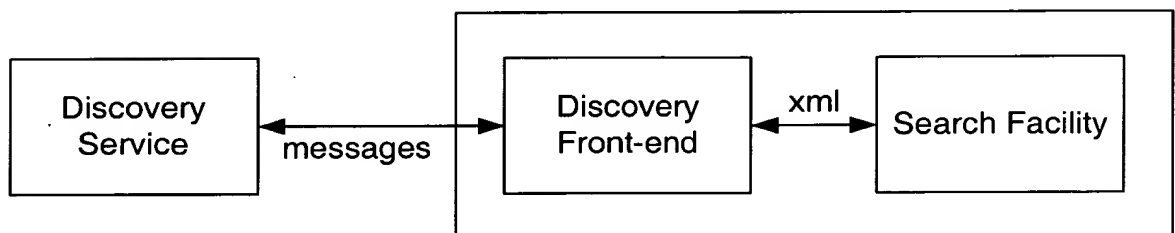


Fig. 4

09672145-092700

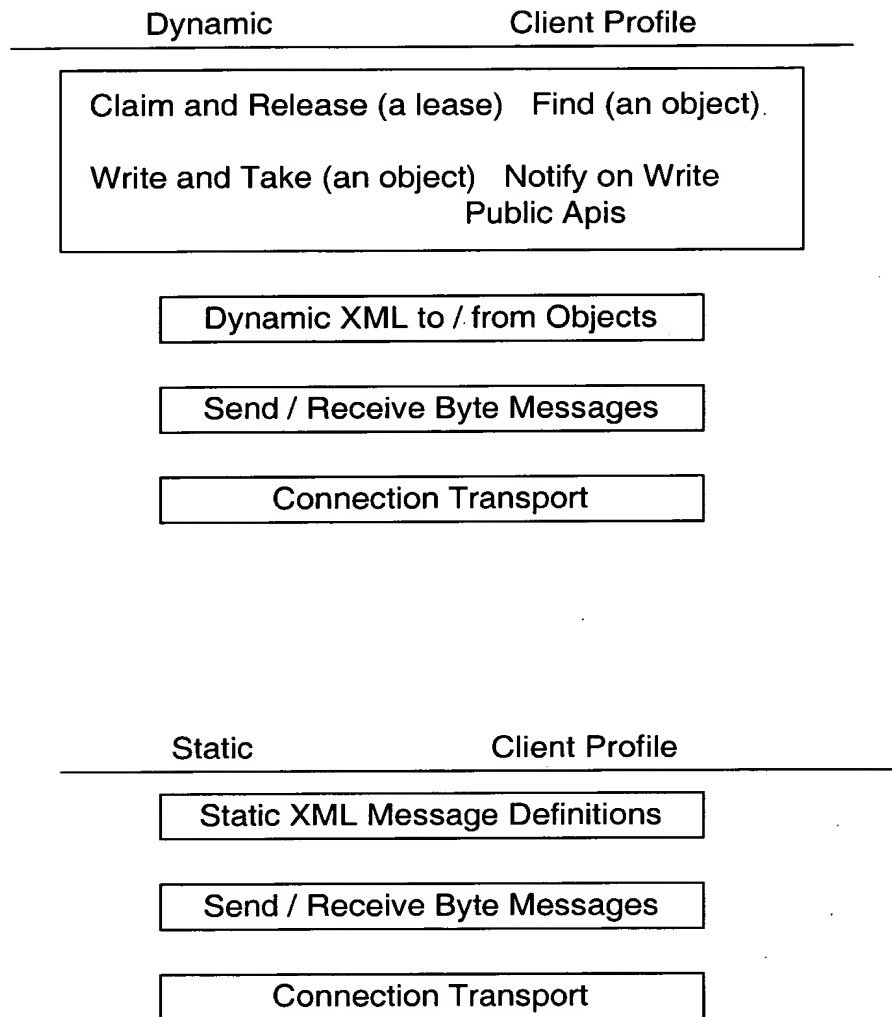


Fig. 5

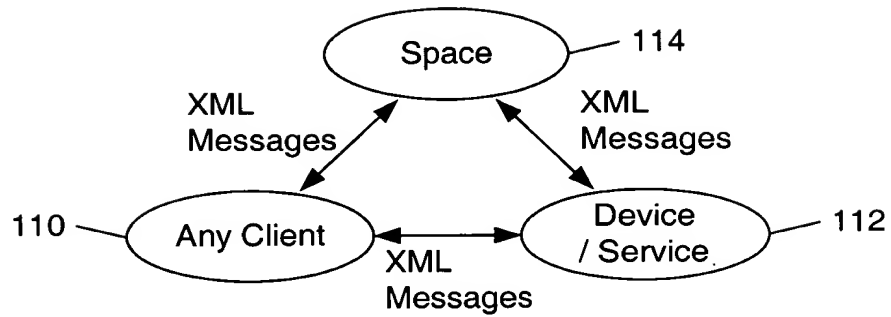


Fig. 6

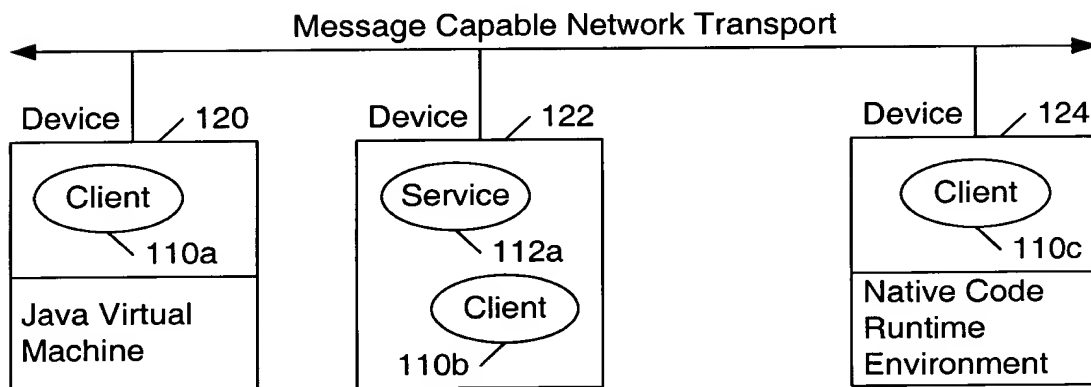


Fig. 7

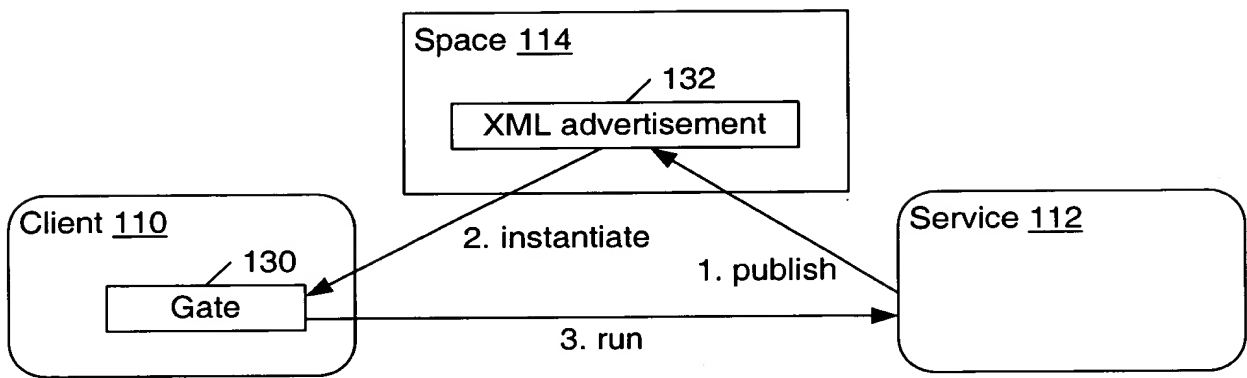


Fig. 8

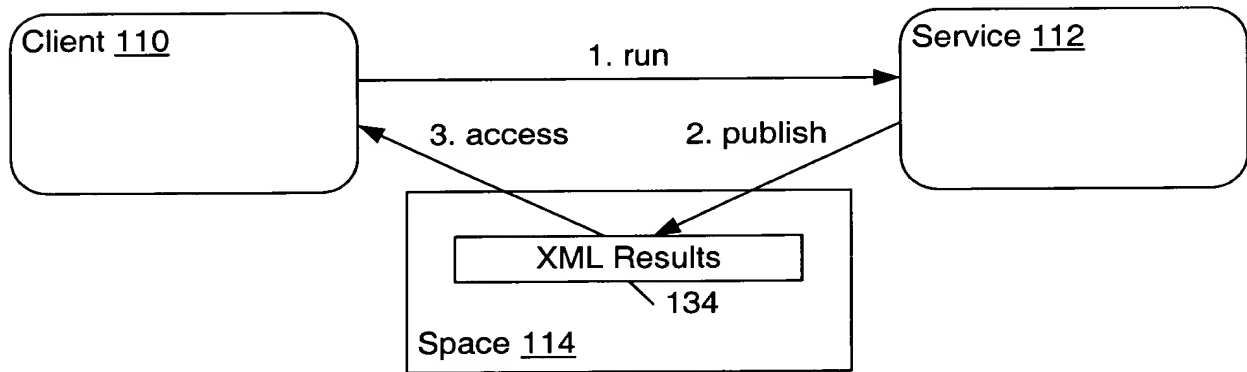


Fig. 9

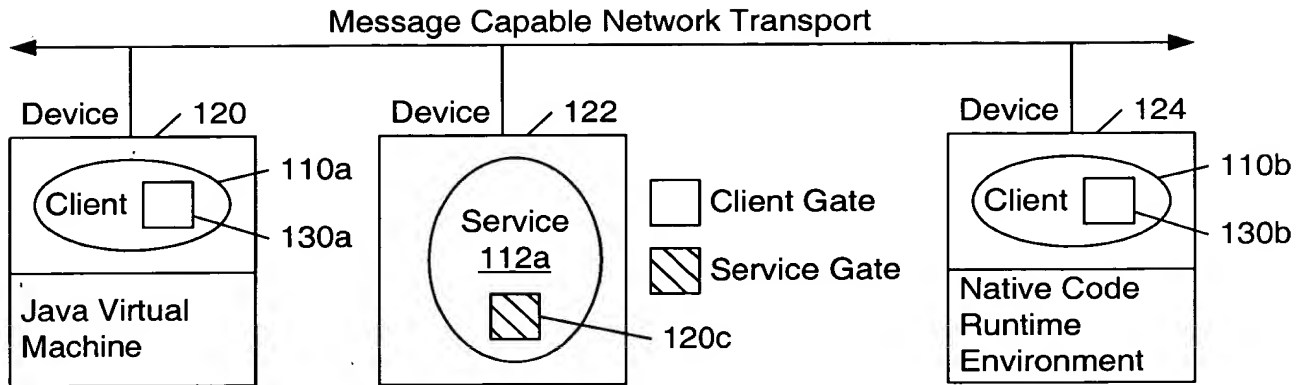


Fig. 10a

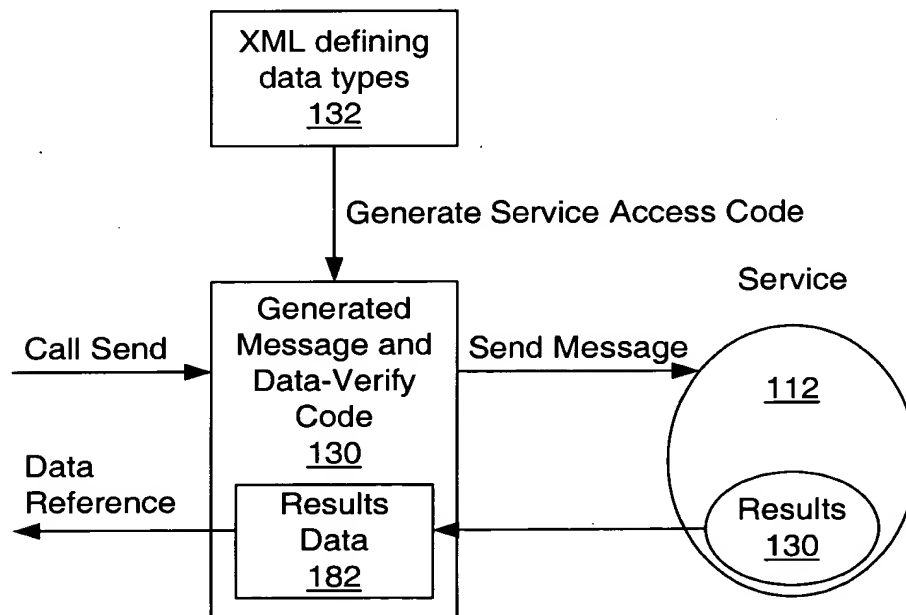


Fig. 10b

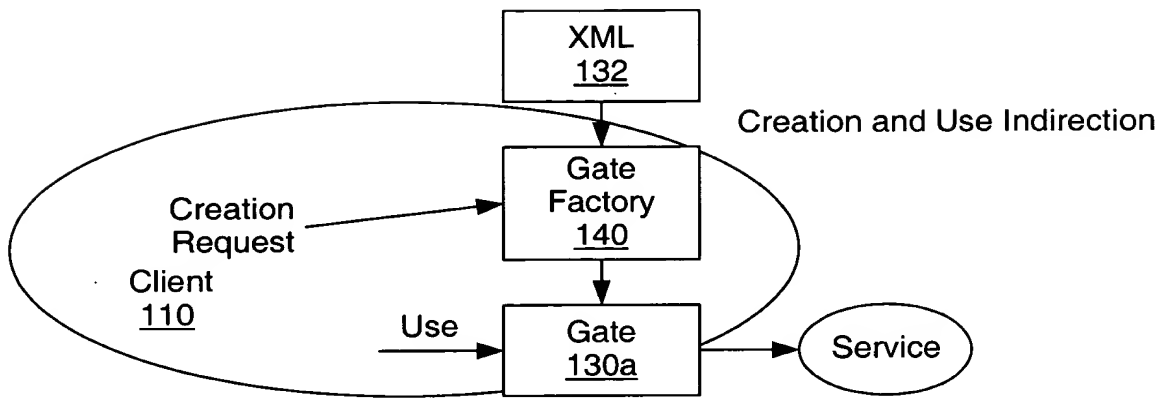


Fig. 11a

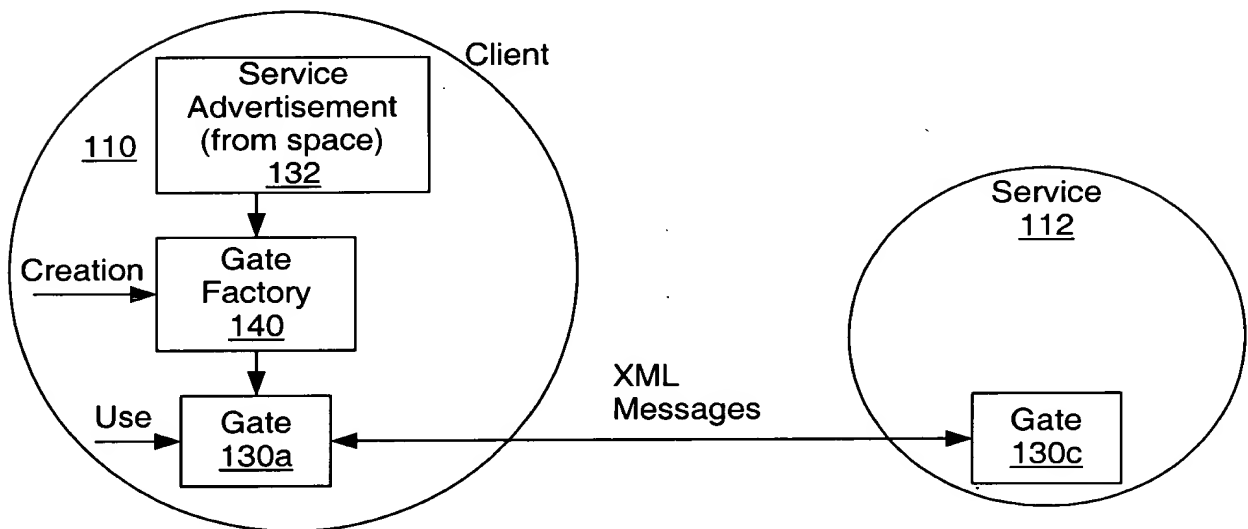


Fig. 11b

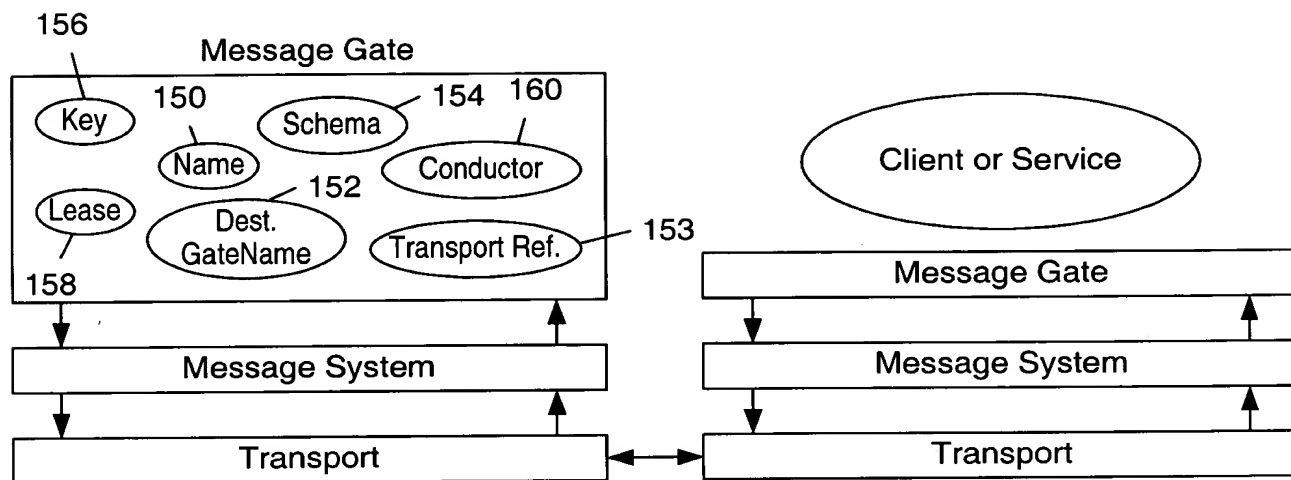


Fig. 12

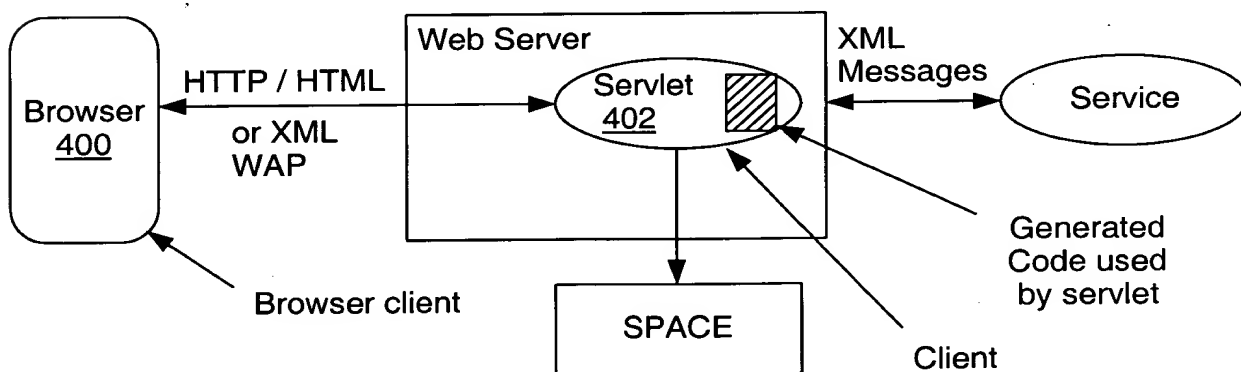


Fig. 13

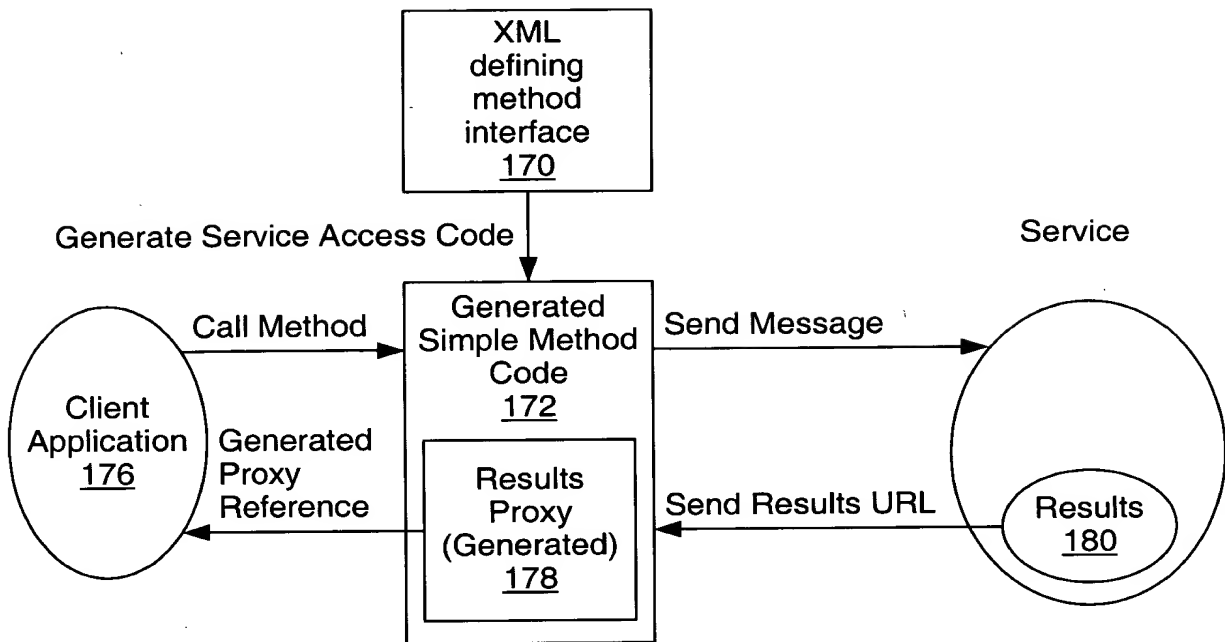


Fig. 14

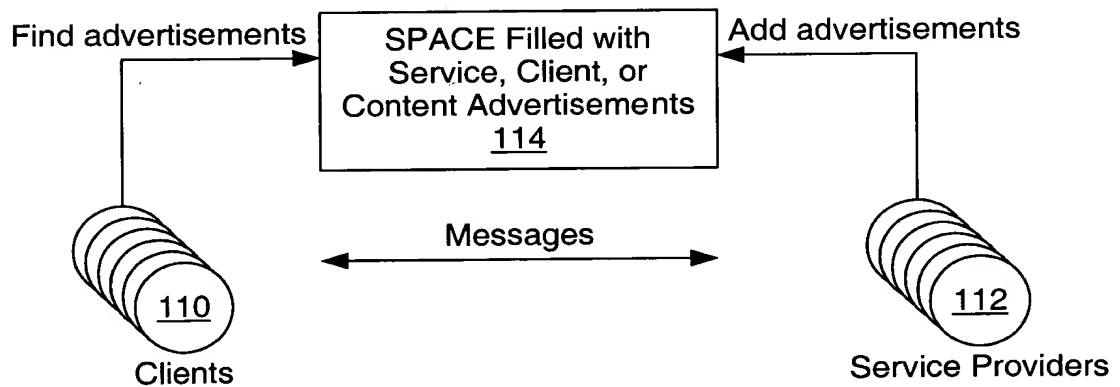


Fig. 15

Fig. 16

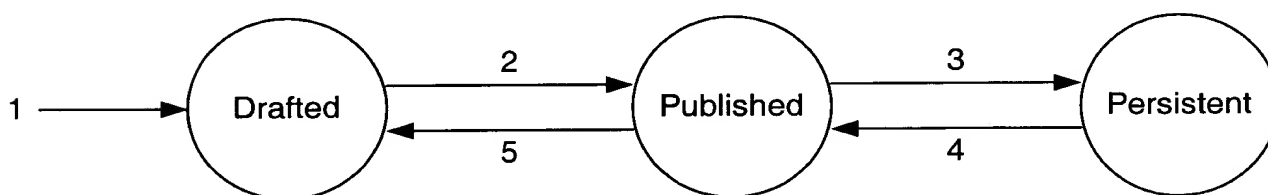


Fig. 17

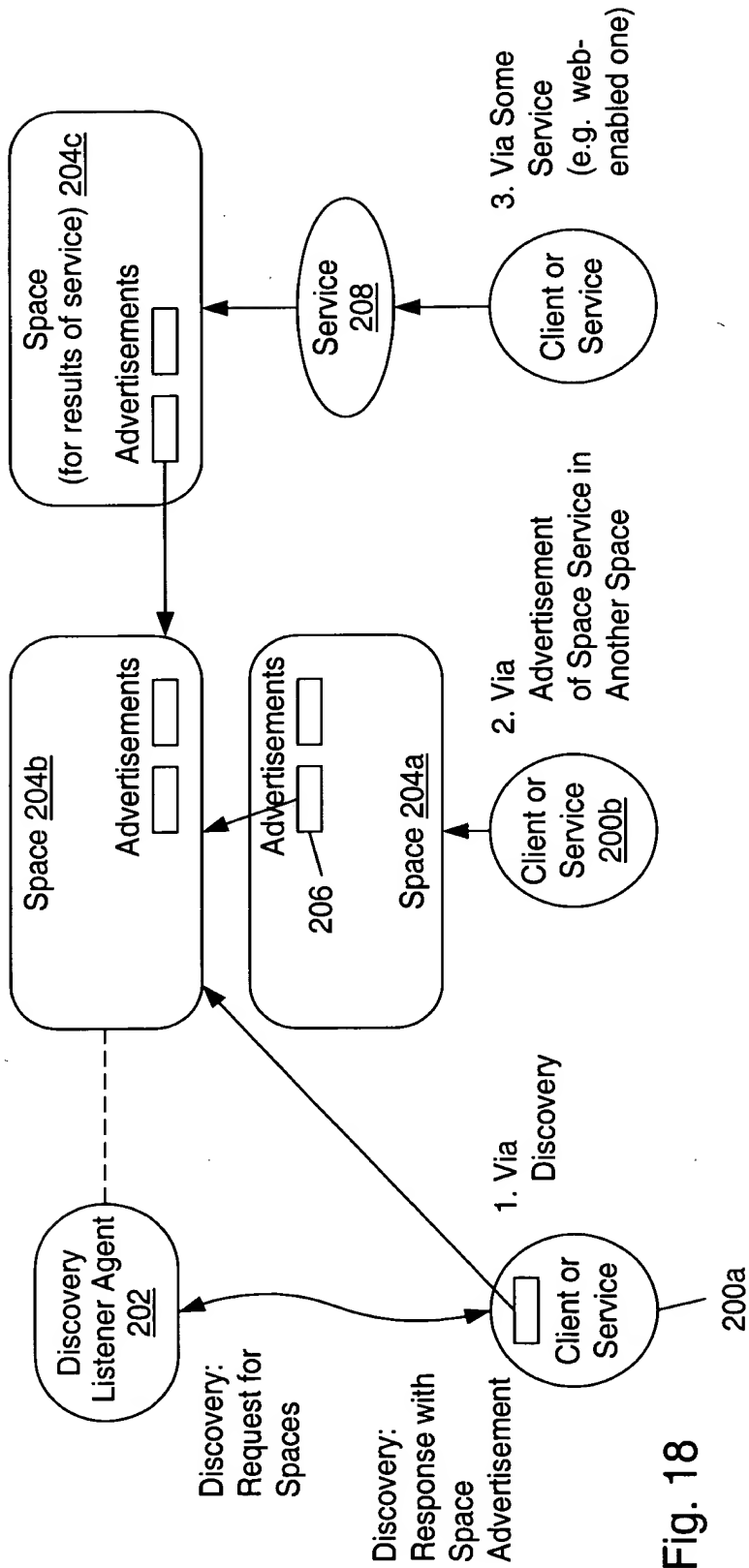


Fig. 18

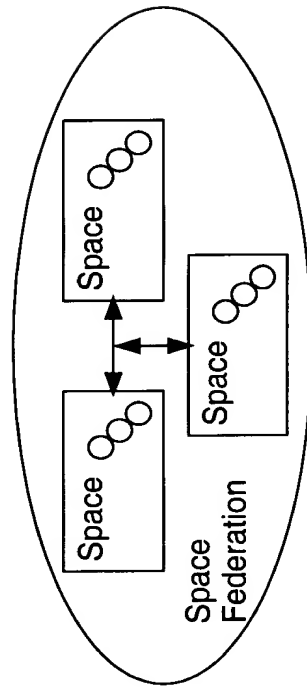


Fig. 19

Client runs authentication service for space
300



Client constructs gate for accessing space
302



Client sends message to space to
run space service
304



Space runs authentication service to
identify client
306



Space determines client capabilities and binds them to client identity (token)



Messaging proceeds between client and
space - client may access space facilities

Fig. 20

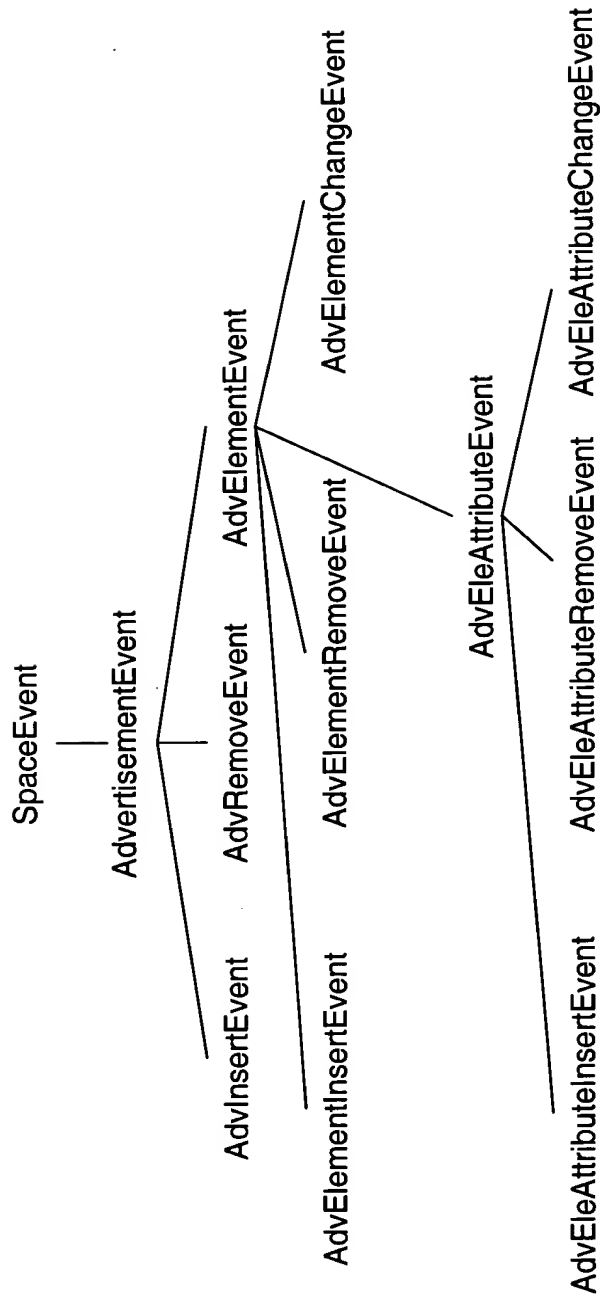


Fig. 21

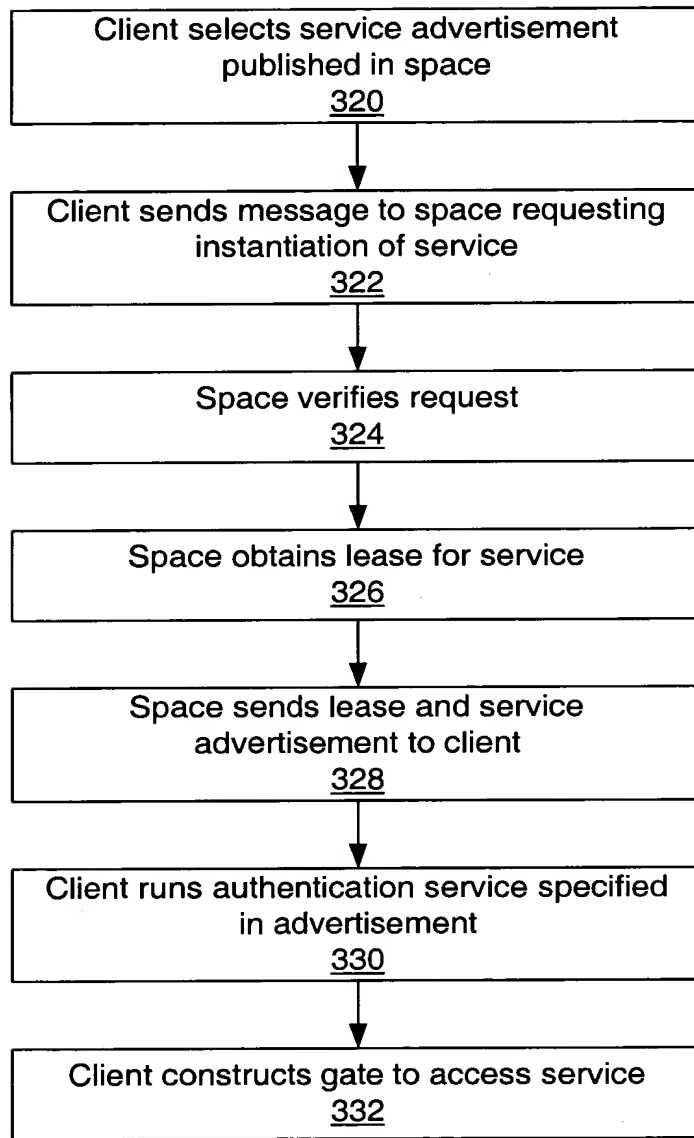


Fig. 22

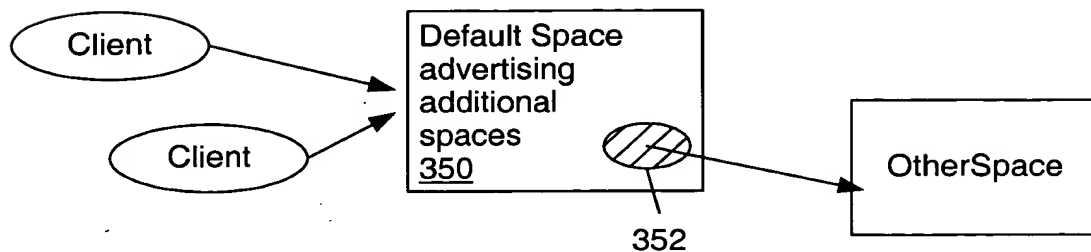


Fig. 23

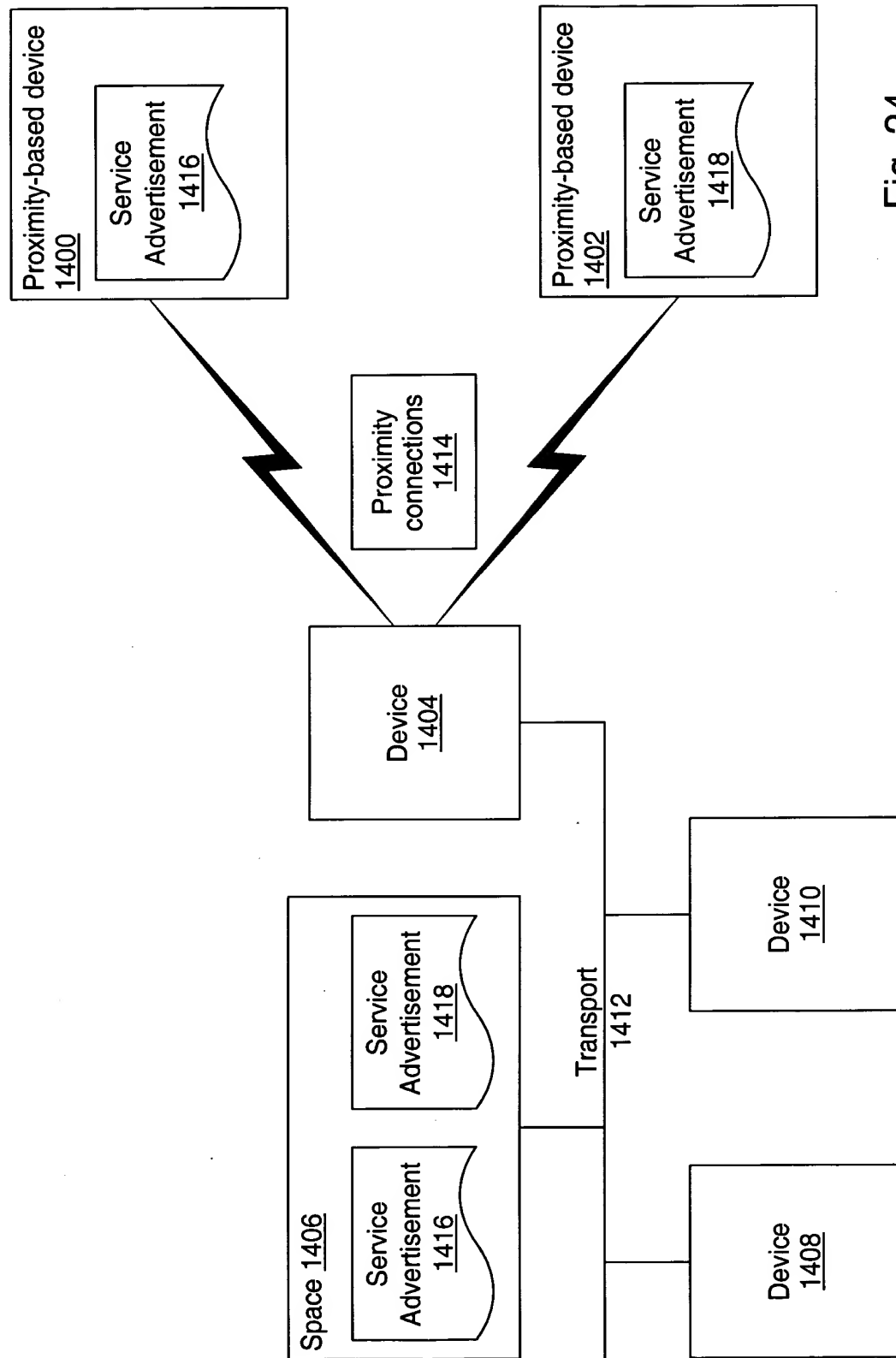


Fig. 24

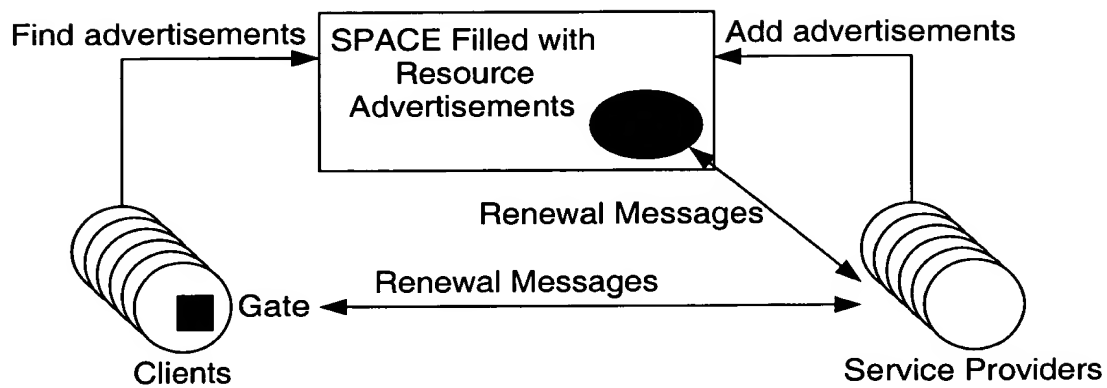


Fig. 25

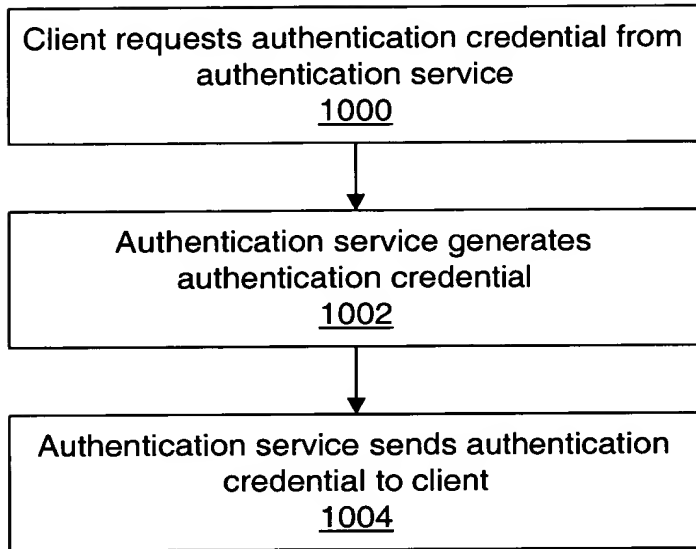
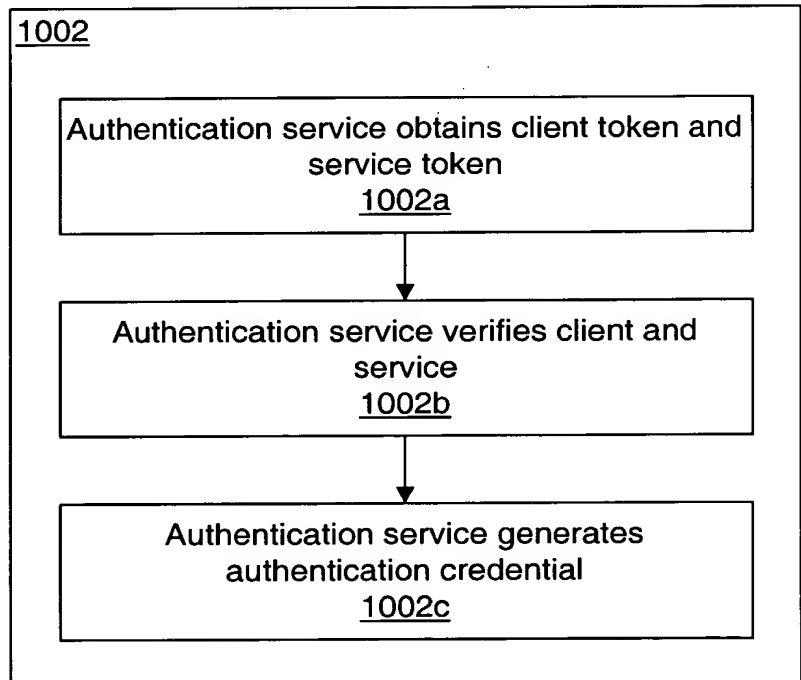


FIG. 26a

FIG. 26b



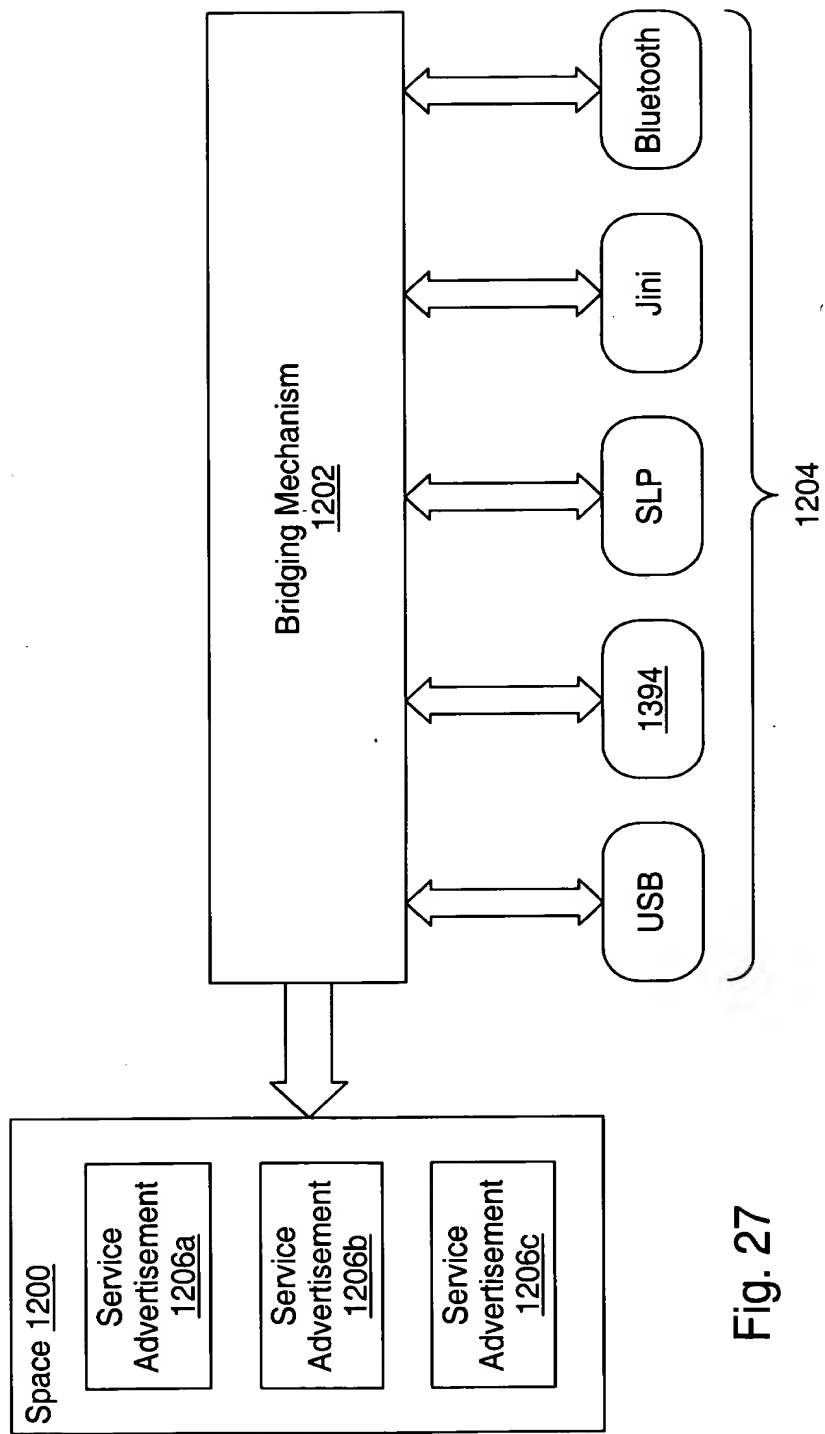


Fig. 27

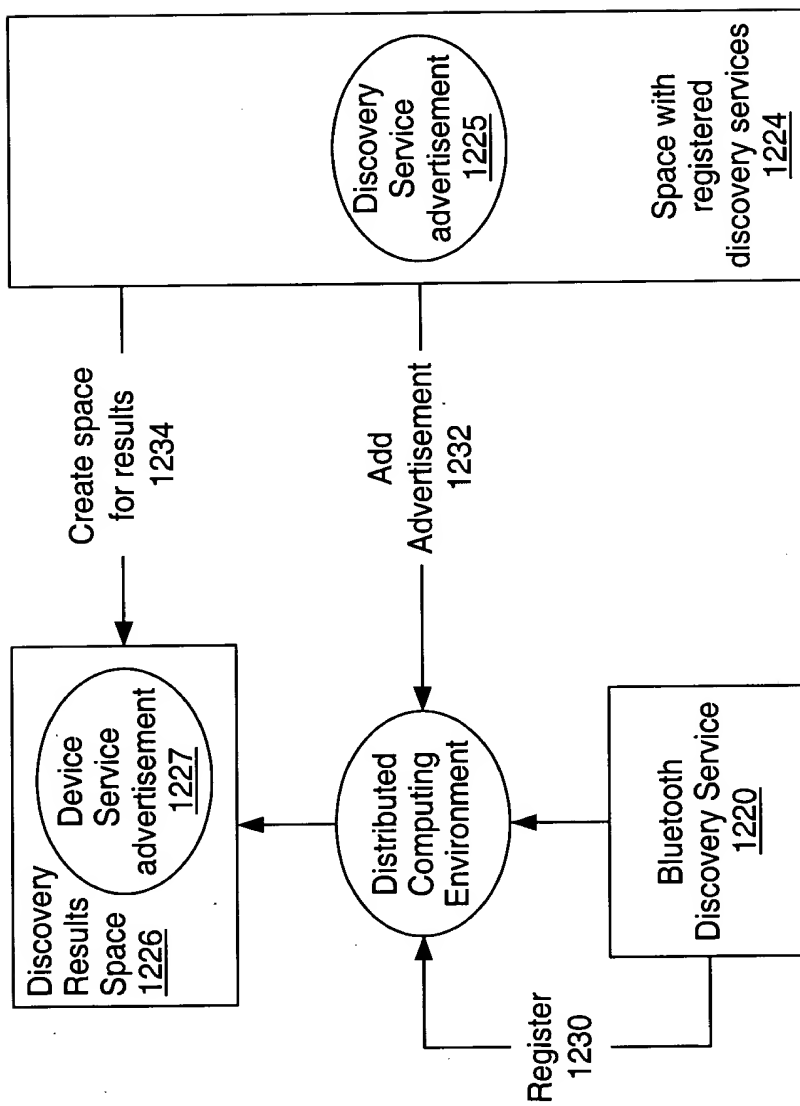


Fig. 28

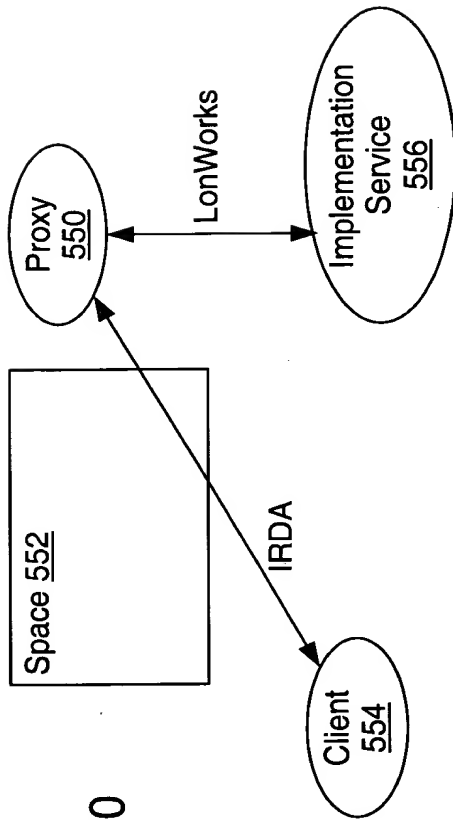


Fig. 30

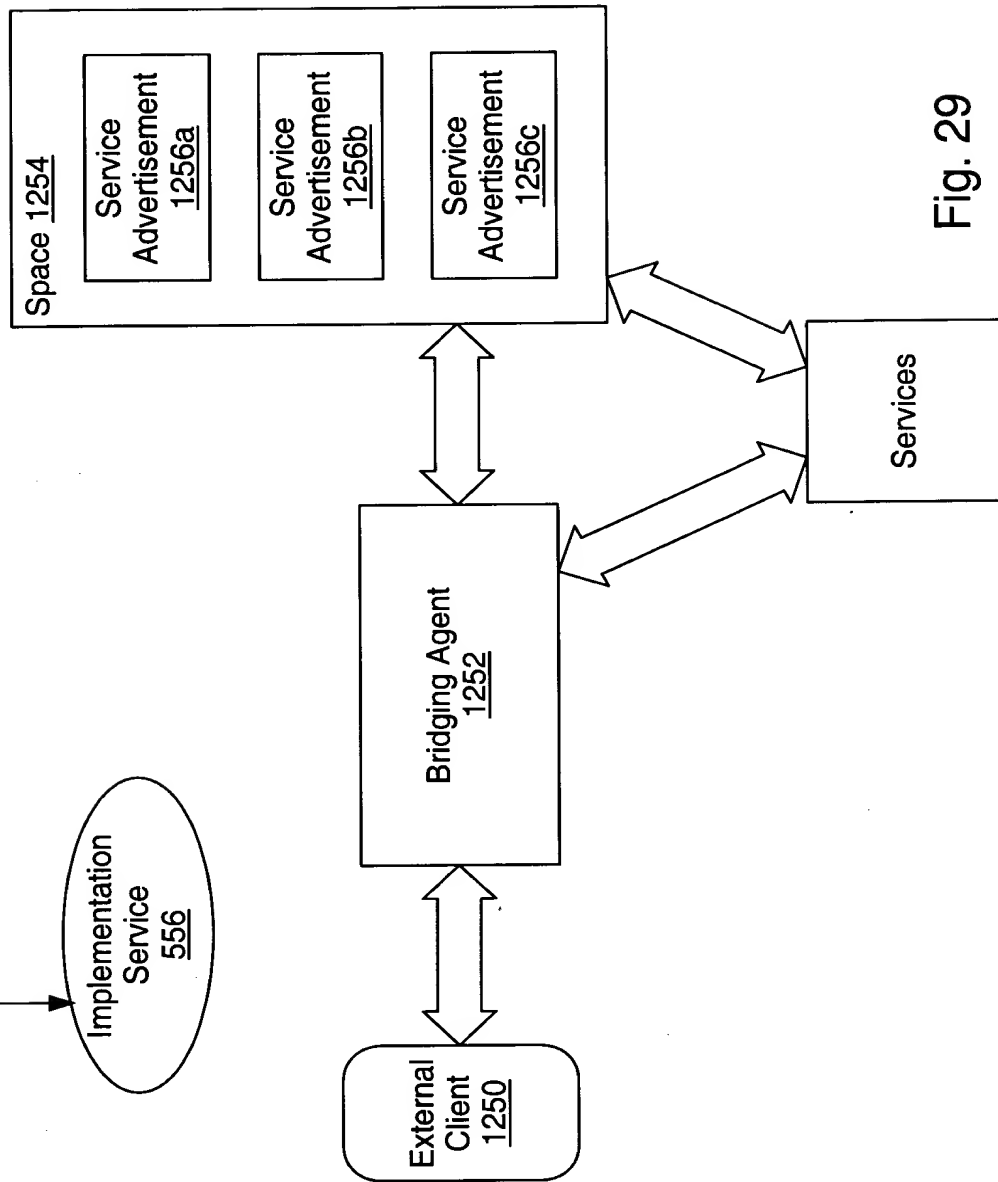


Fig. 29

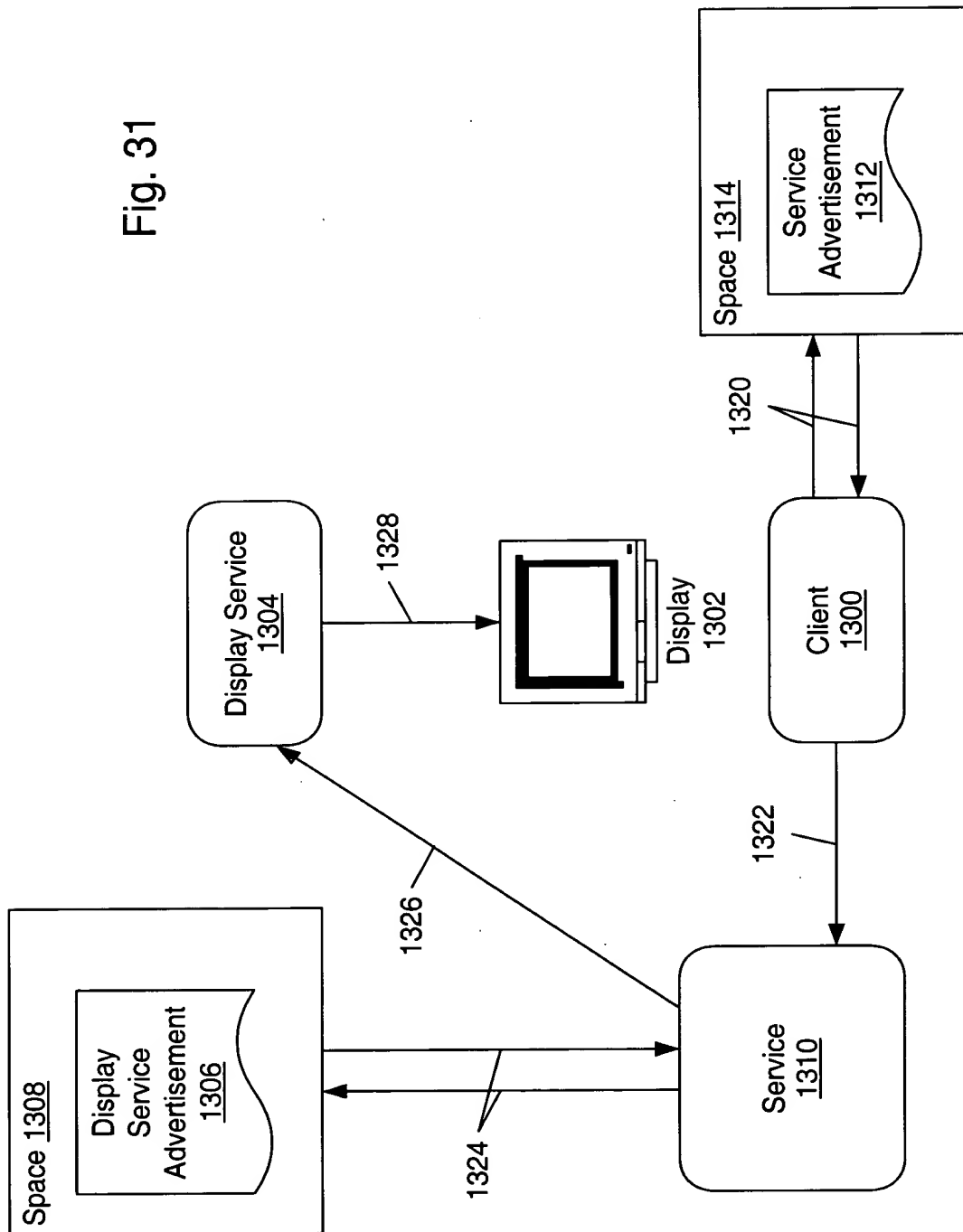


Fig. 31

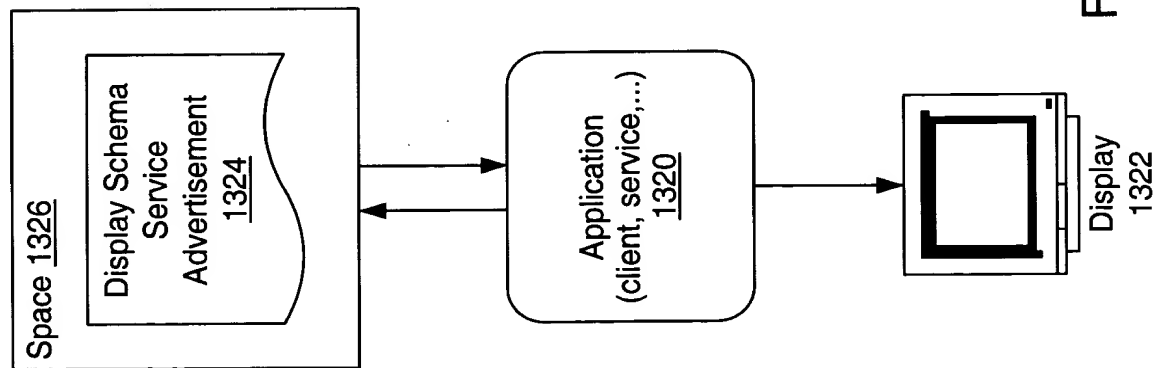


Fig. 32A

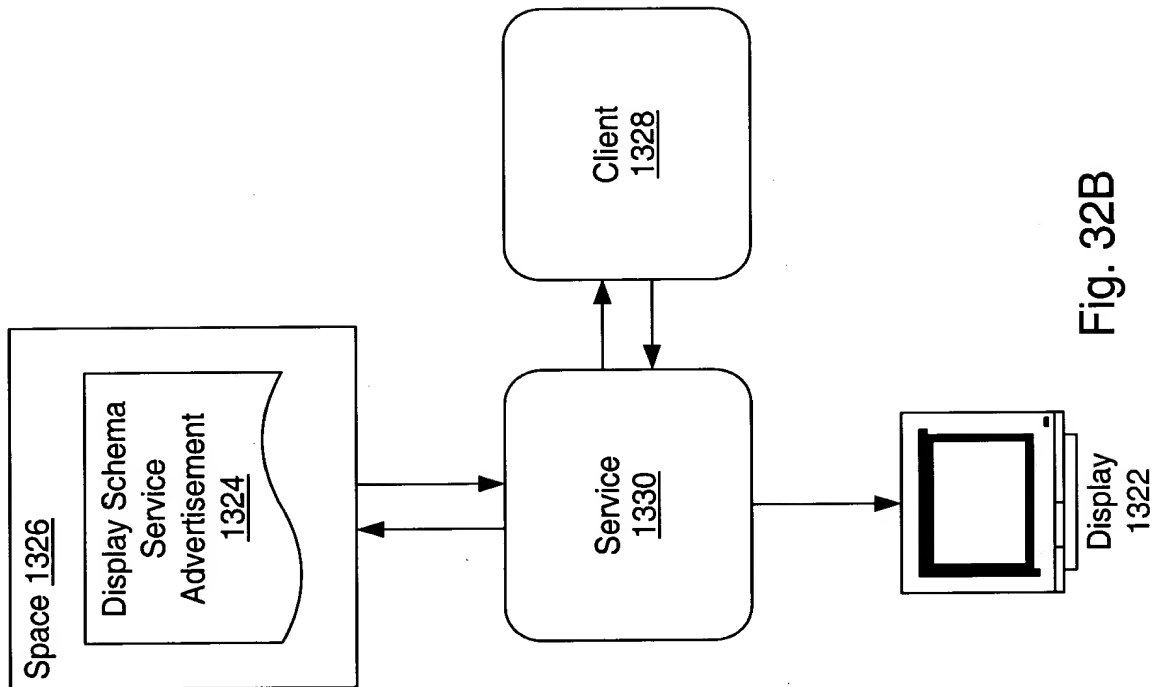


Fig. 32B

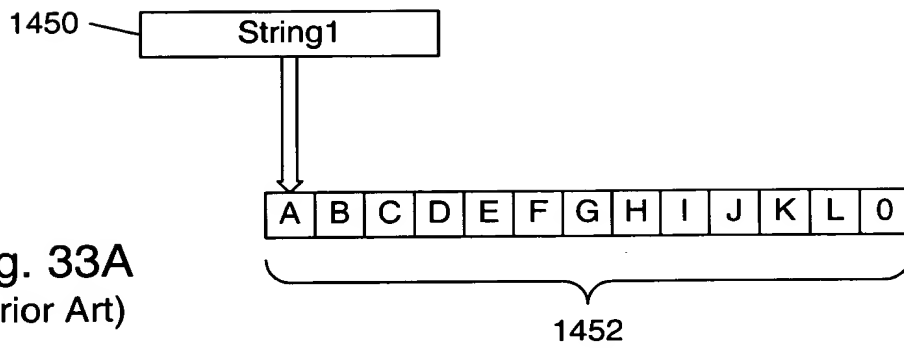


Fig. 33A
(Prior Art)

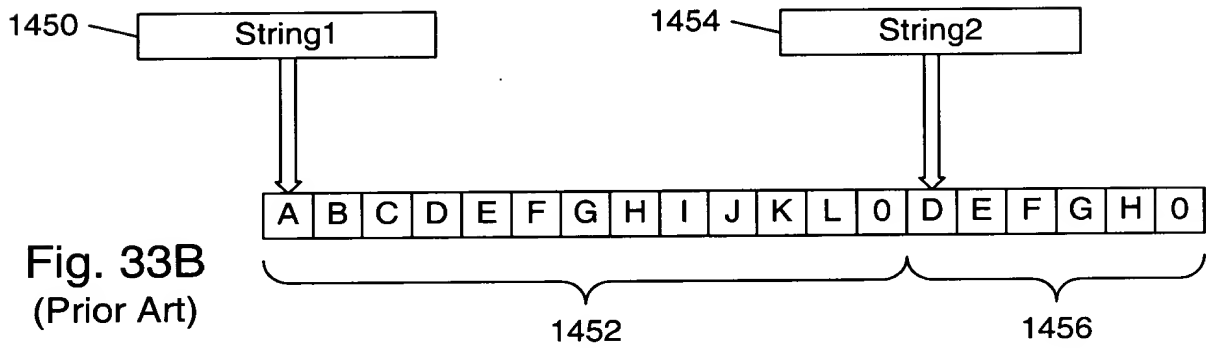


Fig. 33B
(Prior Art)

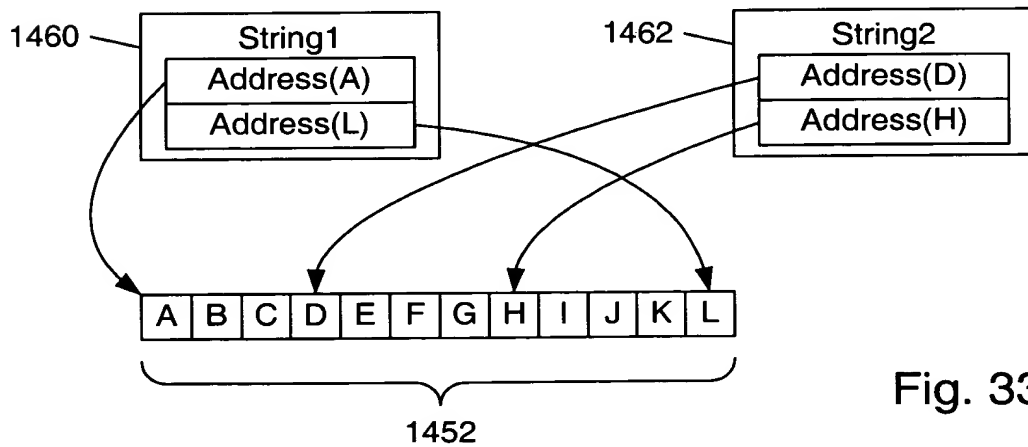


Fig. 33C

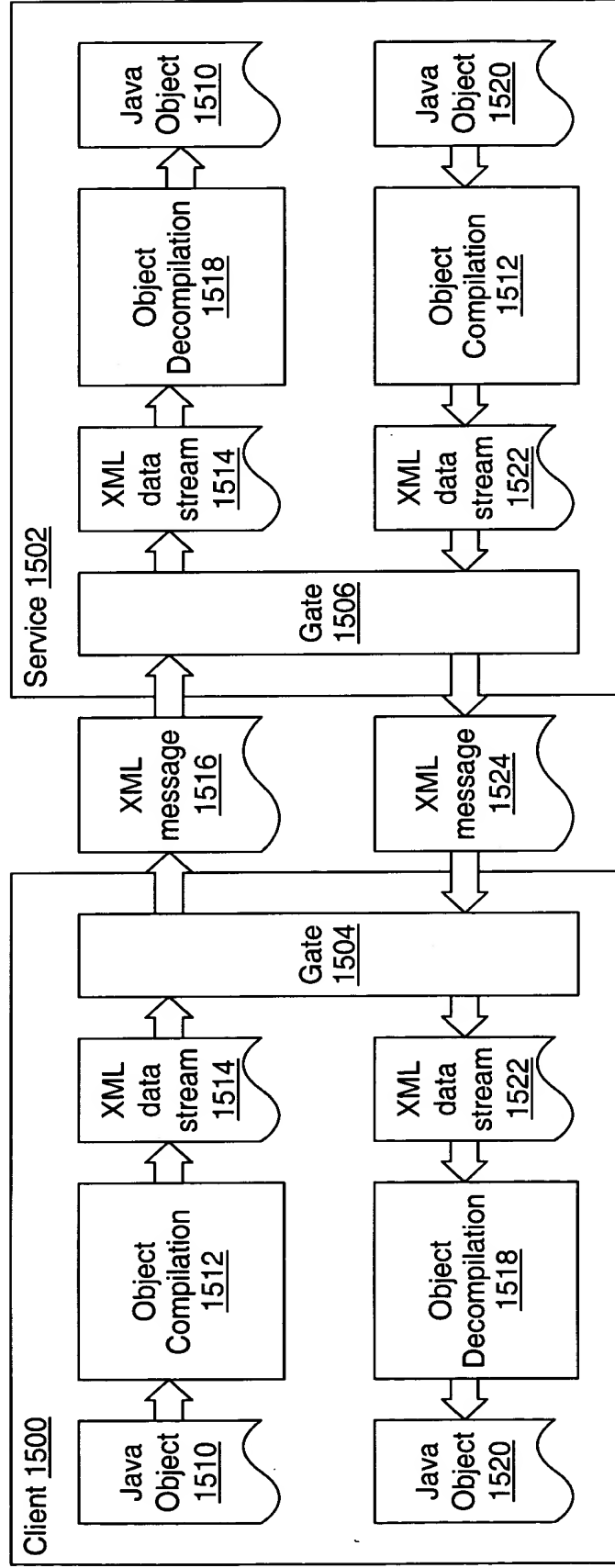


Fig. 34

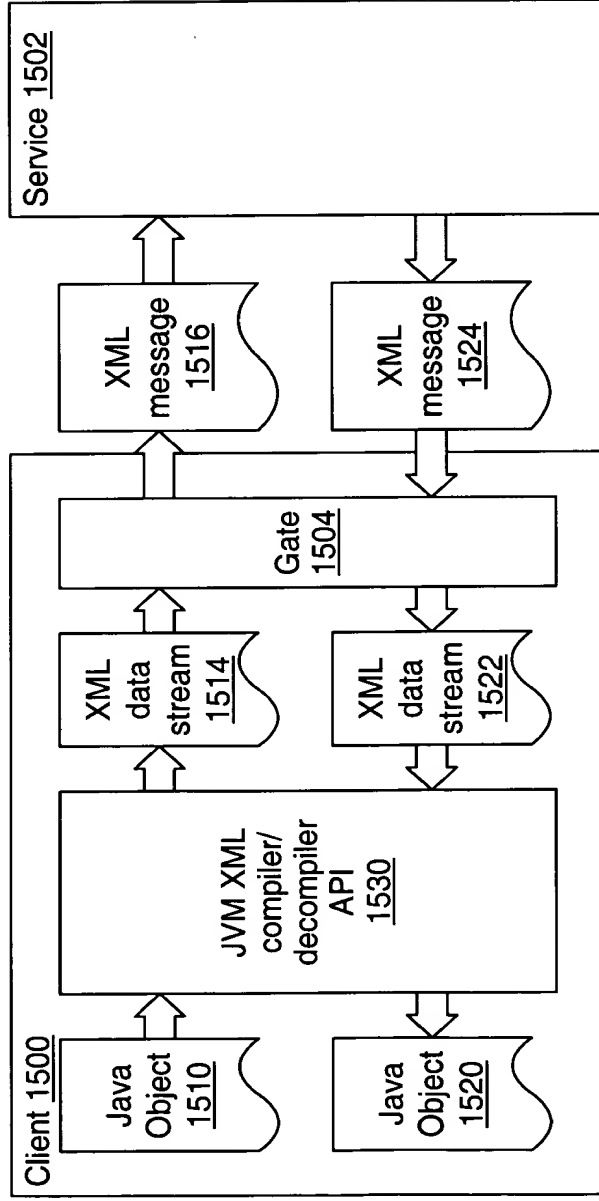


Fig. 35a

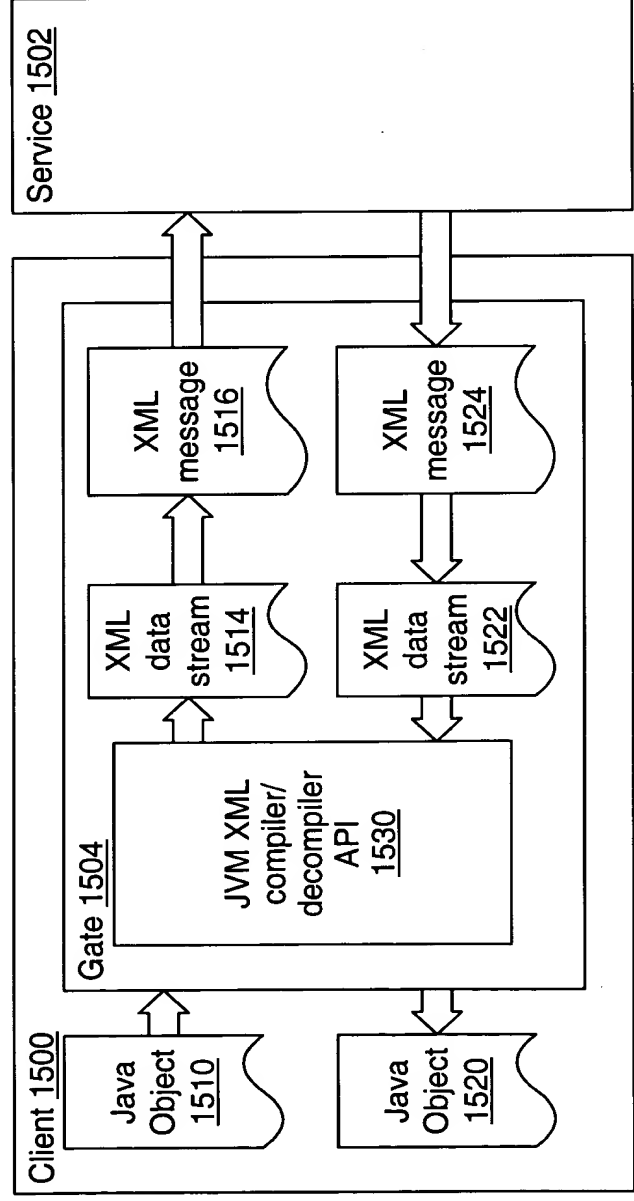


Fig. 35b

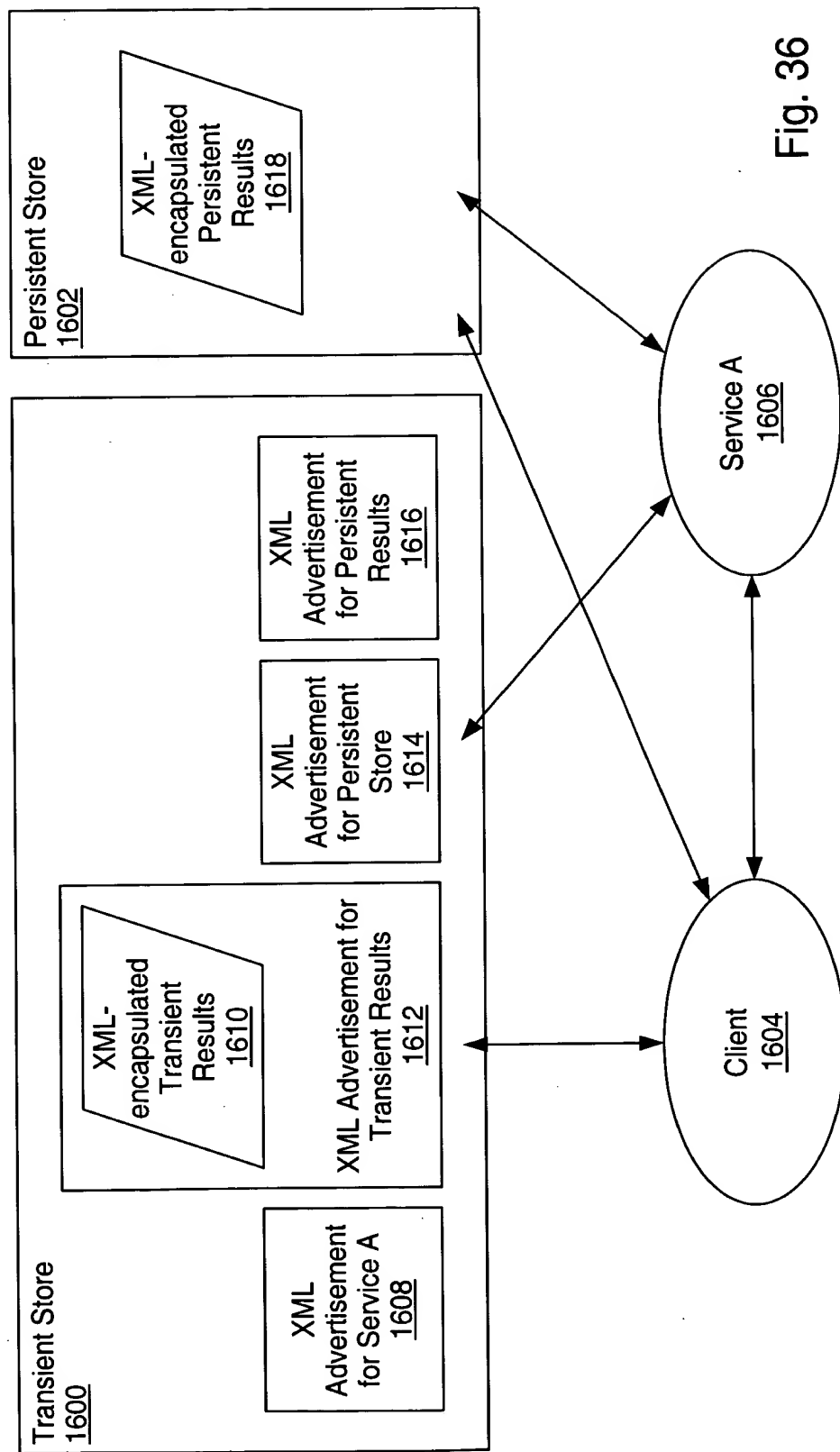


Fig. 36

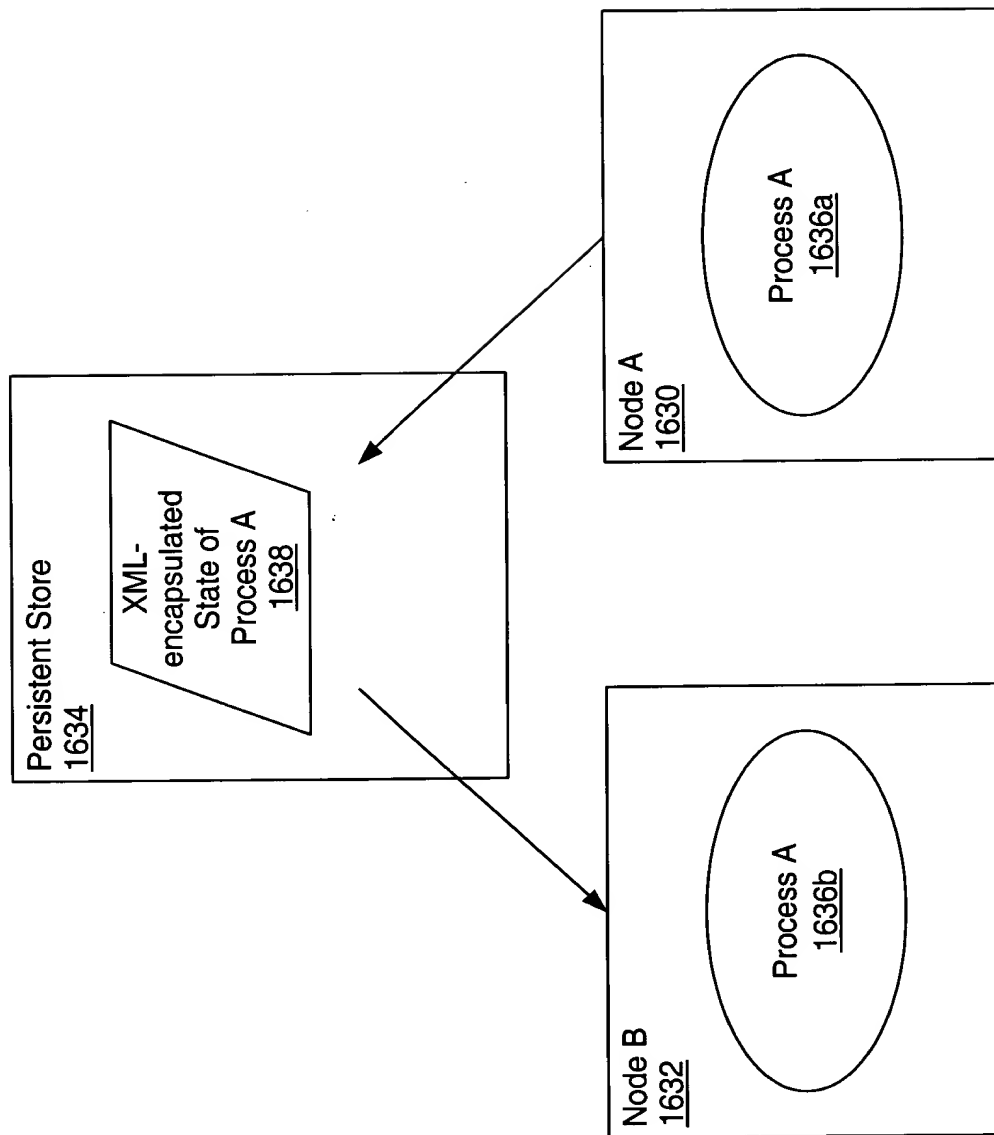


Fig. 37

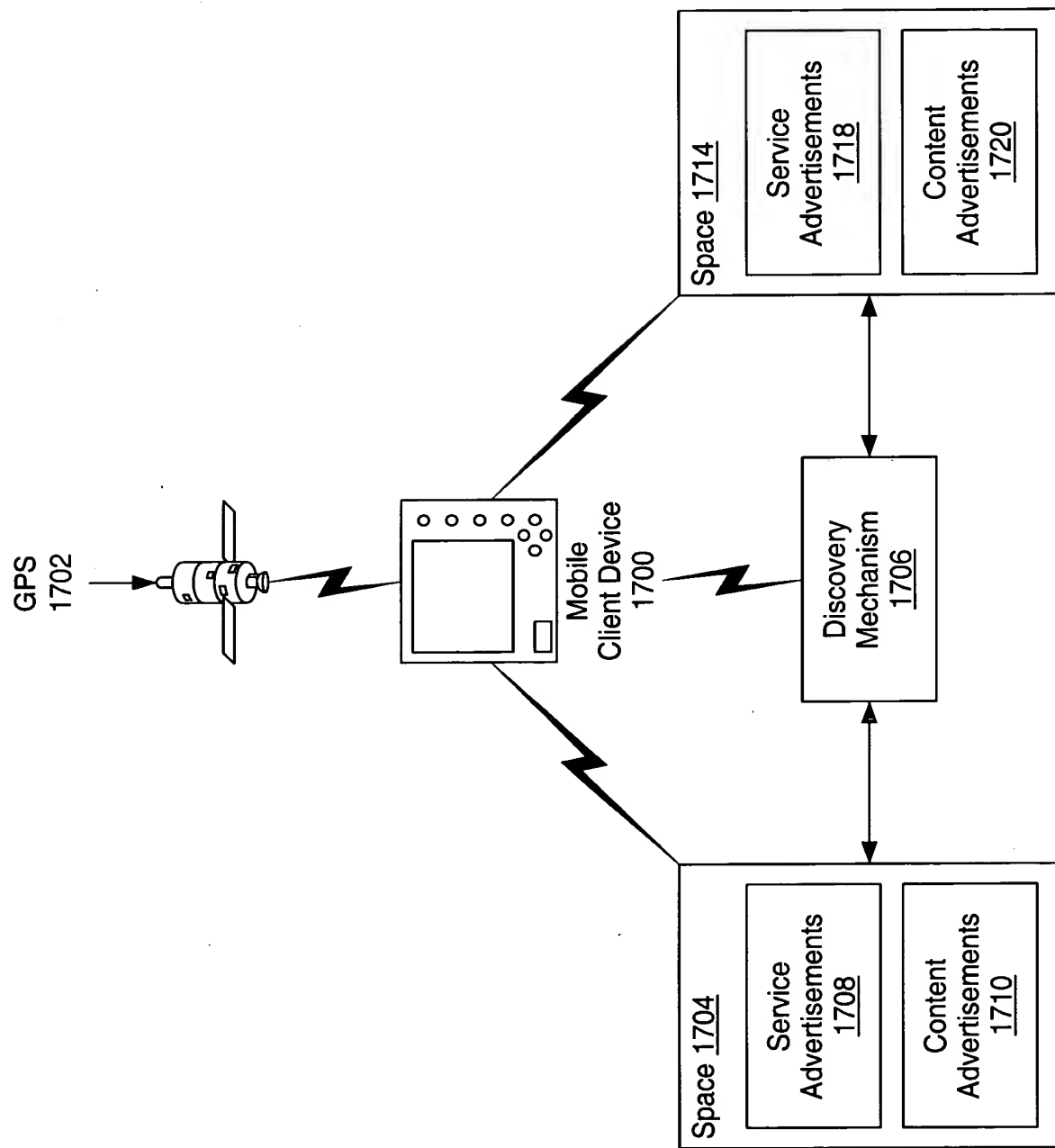


Fig. 38

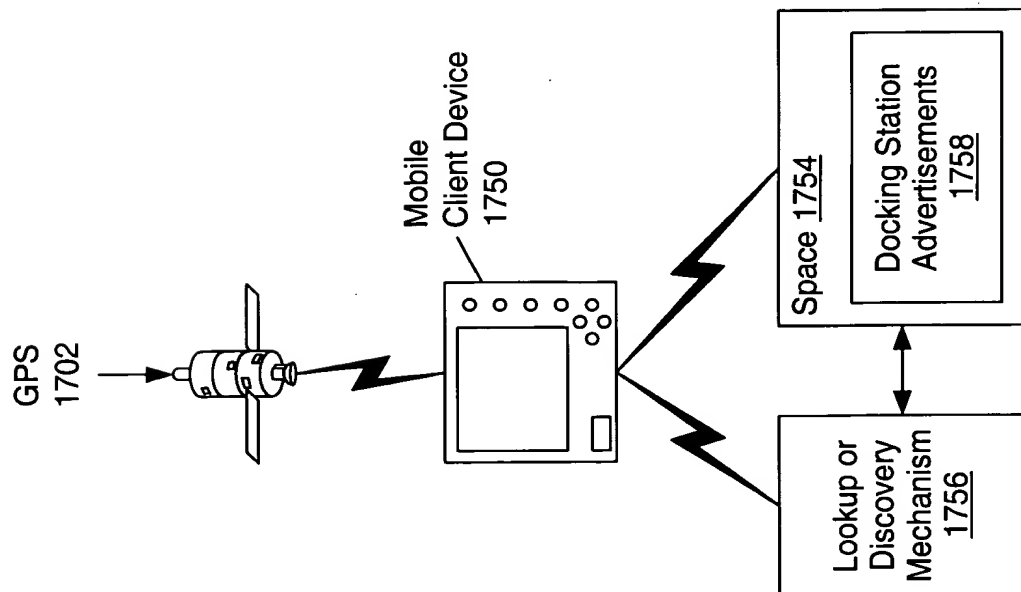


Fig. 39a

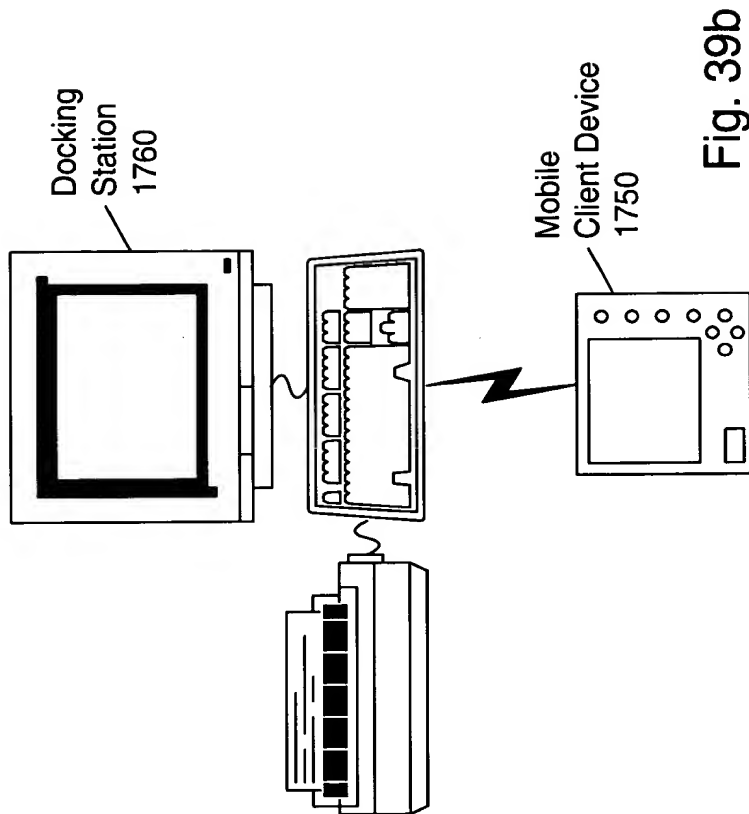


Fig. 39b

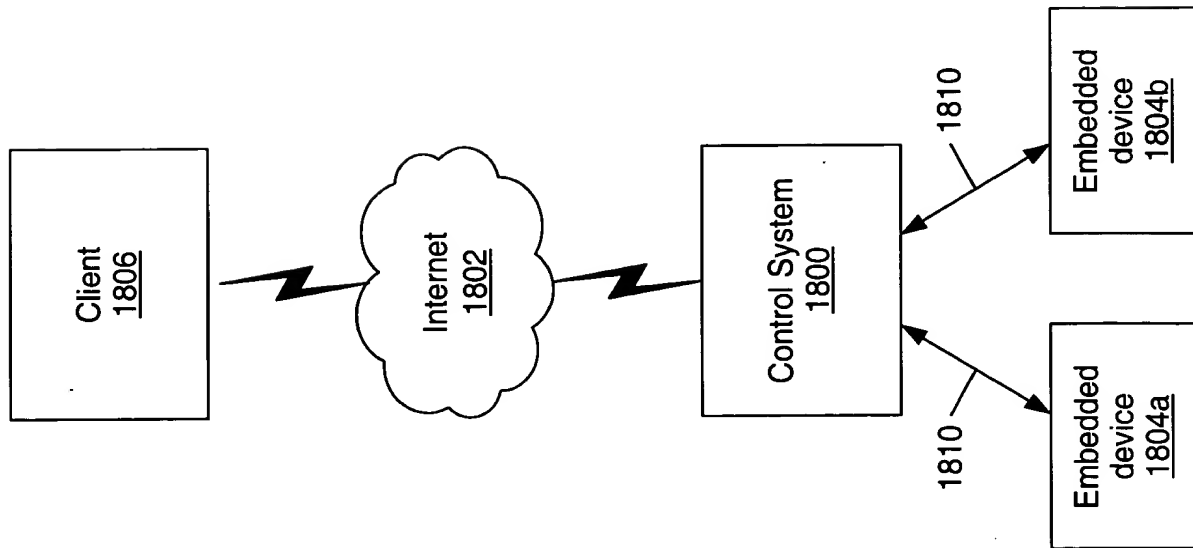


Fig. 40a

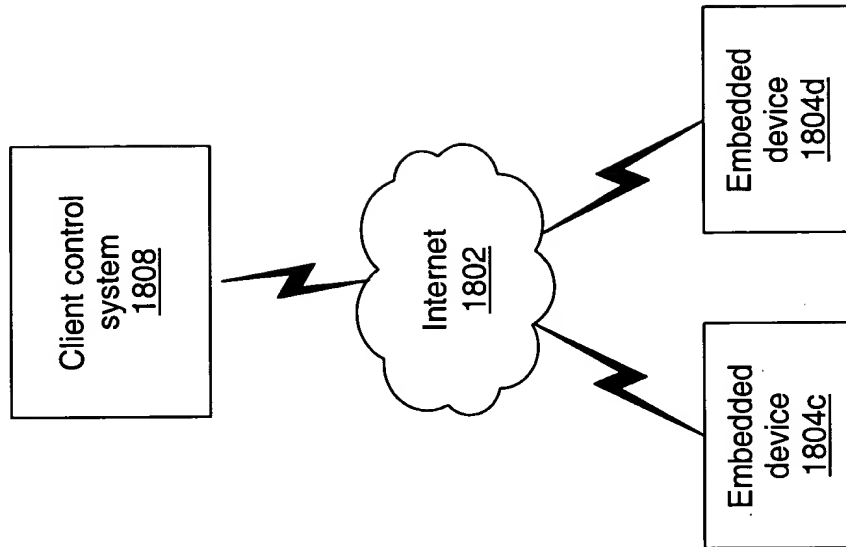


Fig. 40b

Gate factory obtains authentication
credential and message schema
1010



Gate factory generates client gate using
authentication credential and message
schema
1012



Gate factory supplies client gate to client
1014

FIG. 41

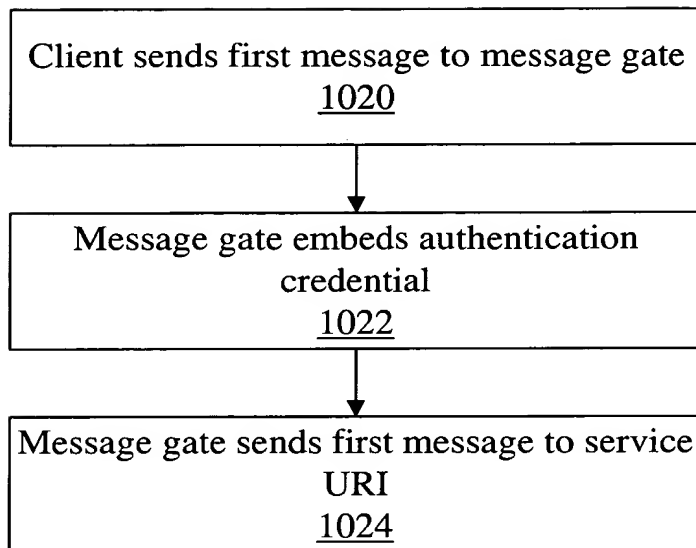


FIG. 42a

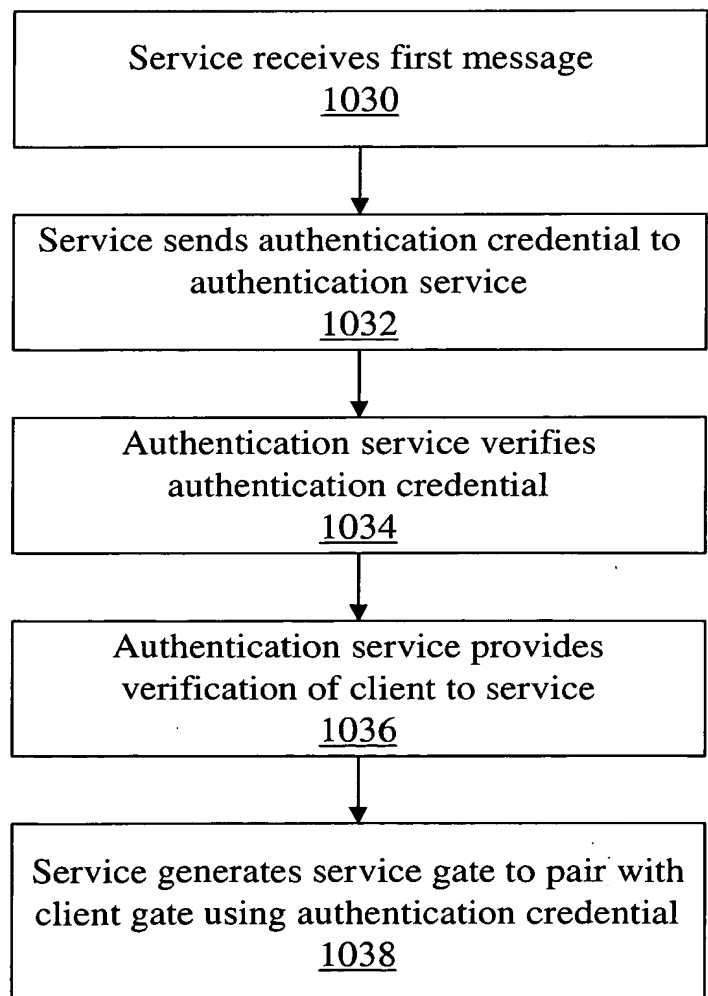


FIG. 42b

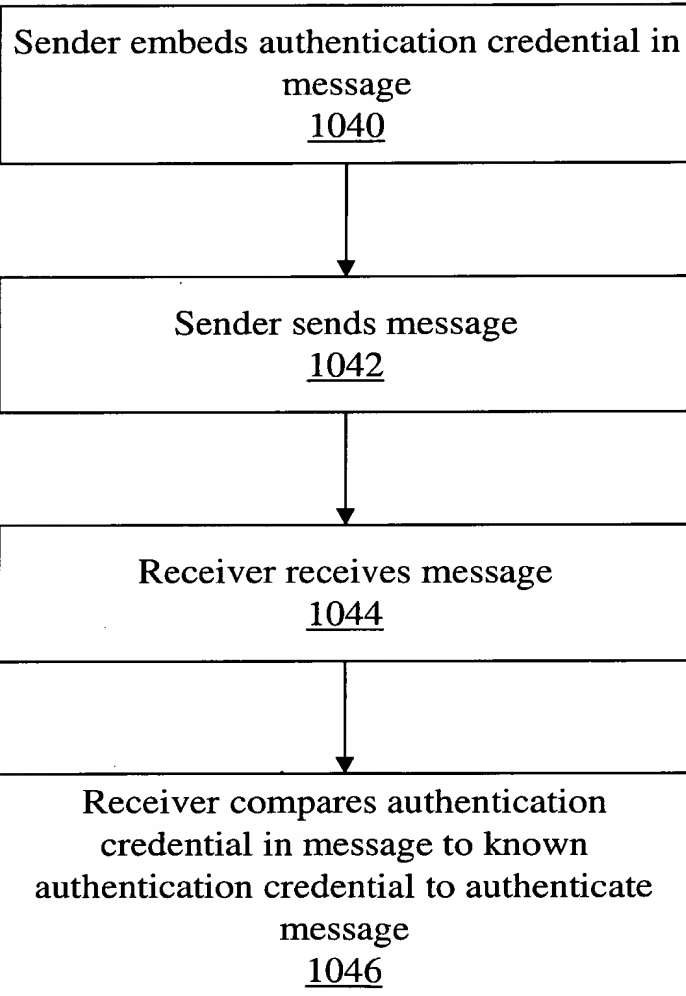


FIG. 42c

09:24:09.09200

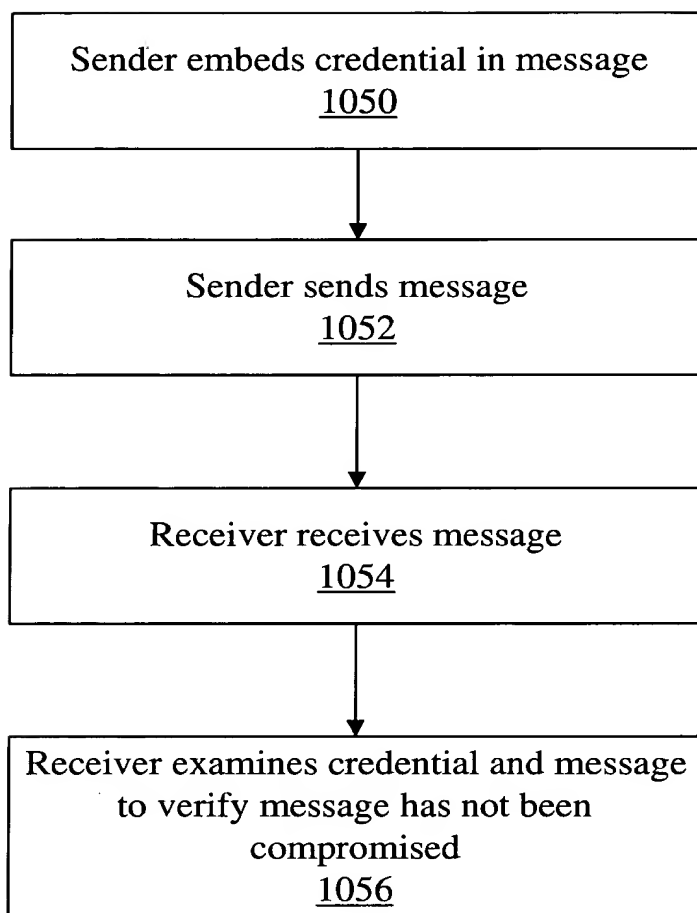


FIG. 43

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002260"54T2960

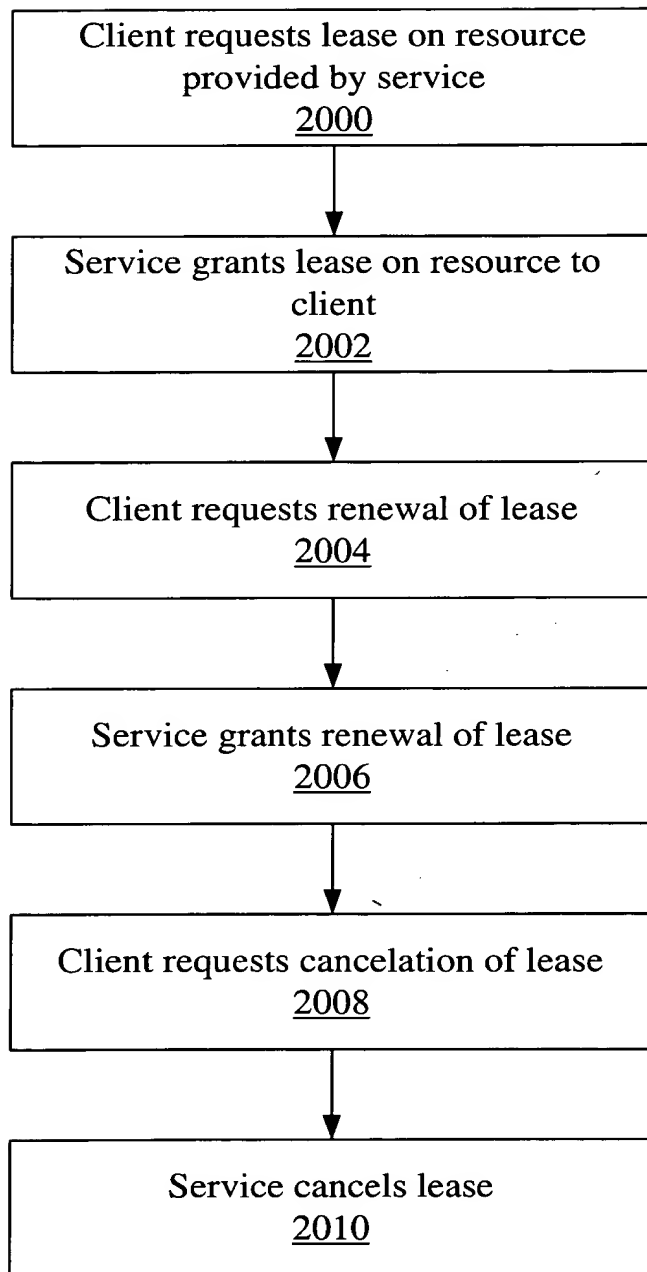


FIG. 44

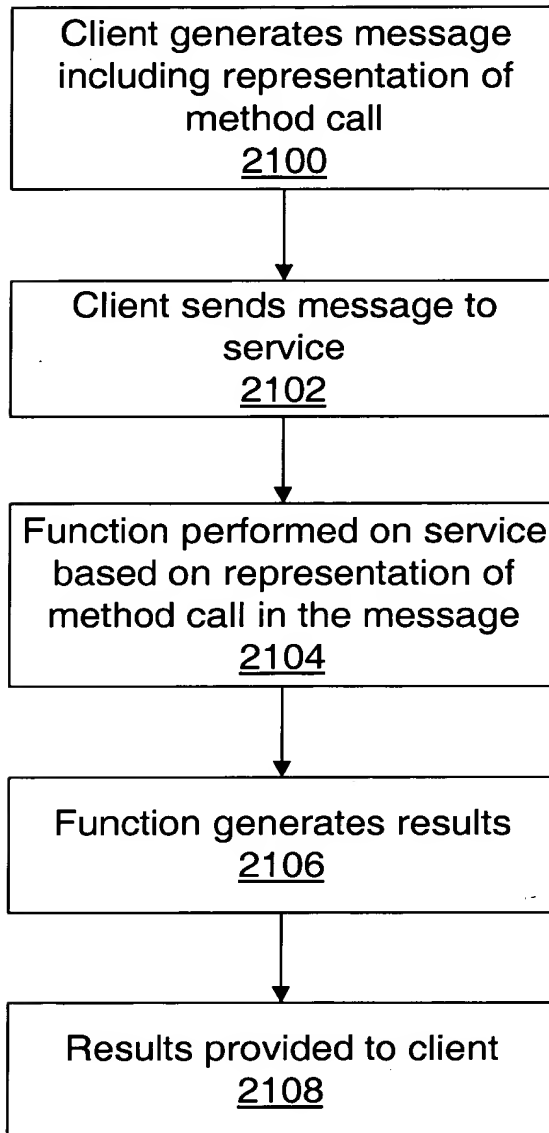


Figure 45a

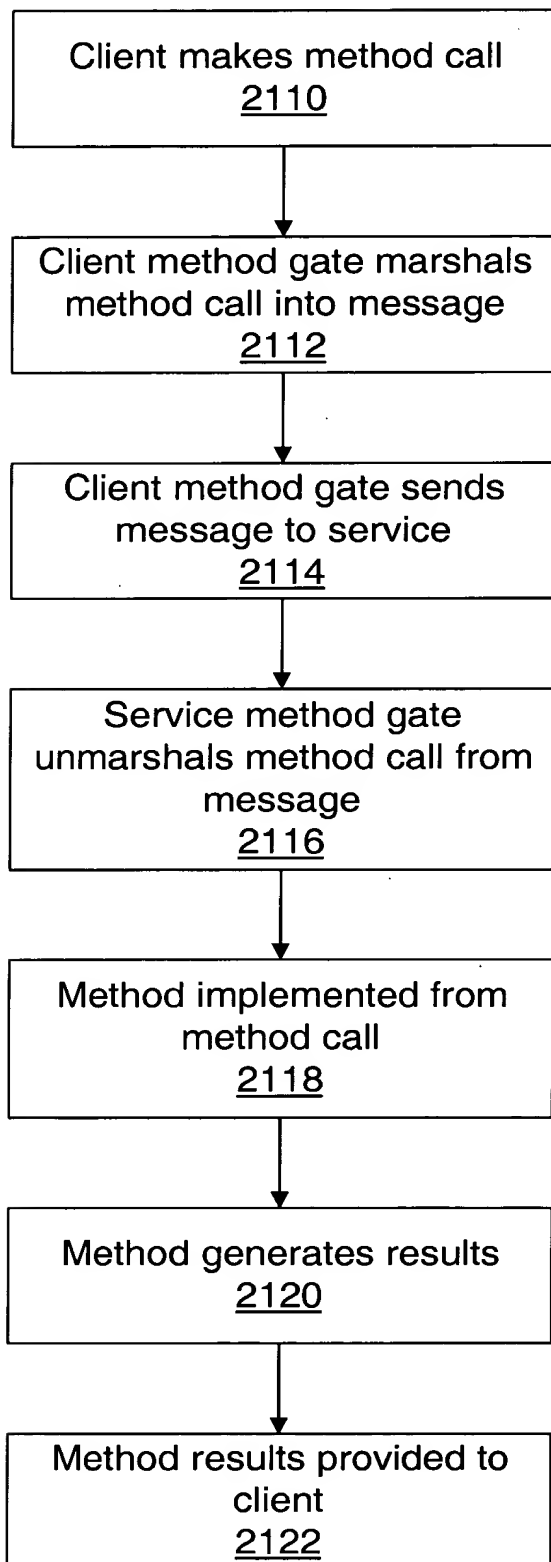


Figure 45b

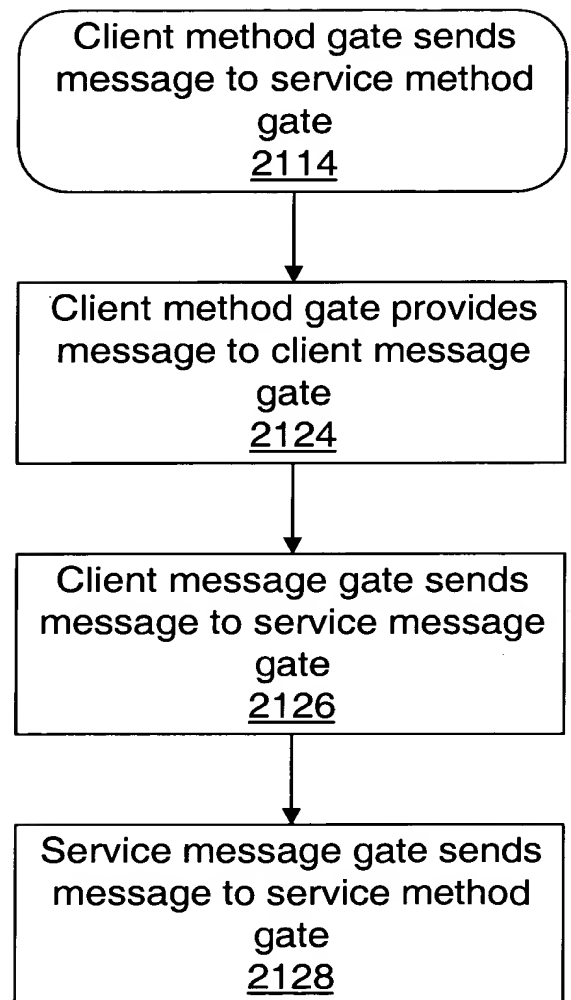


Figure 45c

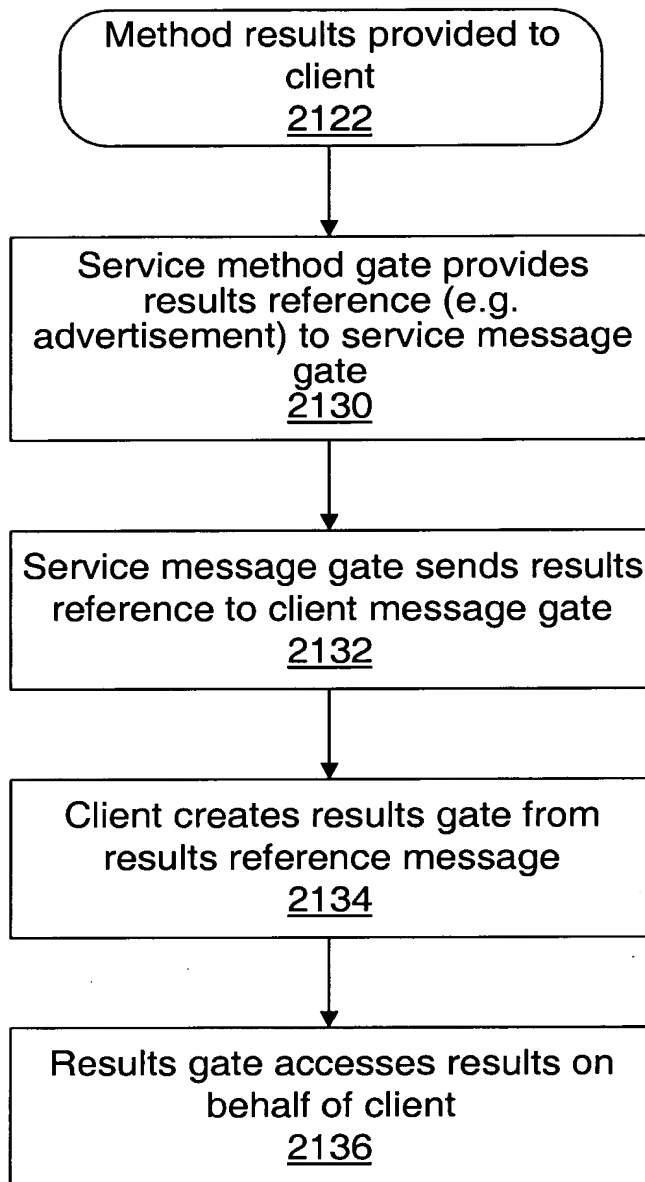


Figure 45d

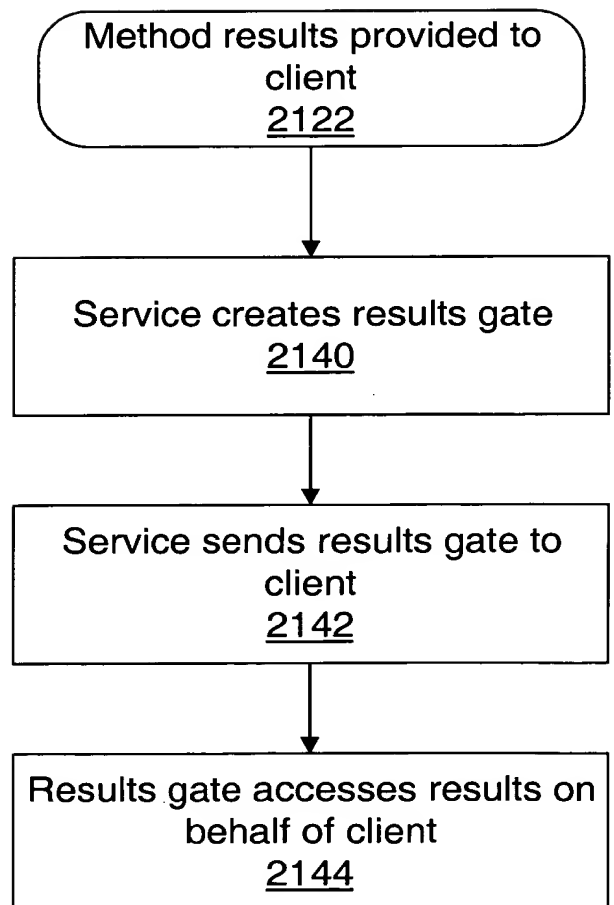


Figure 45e

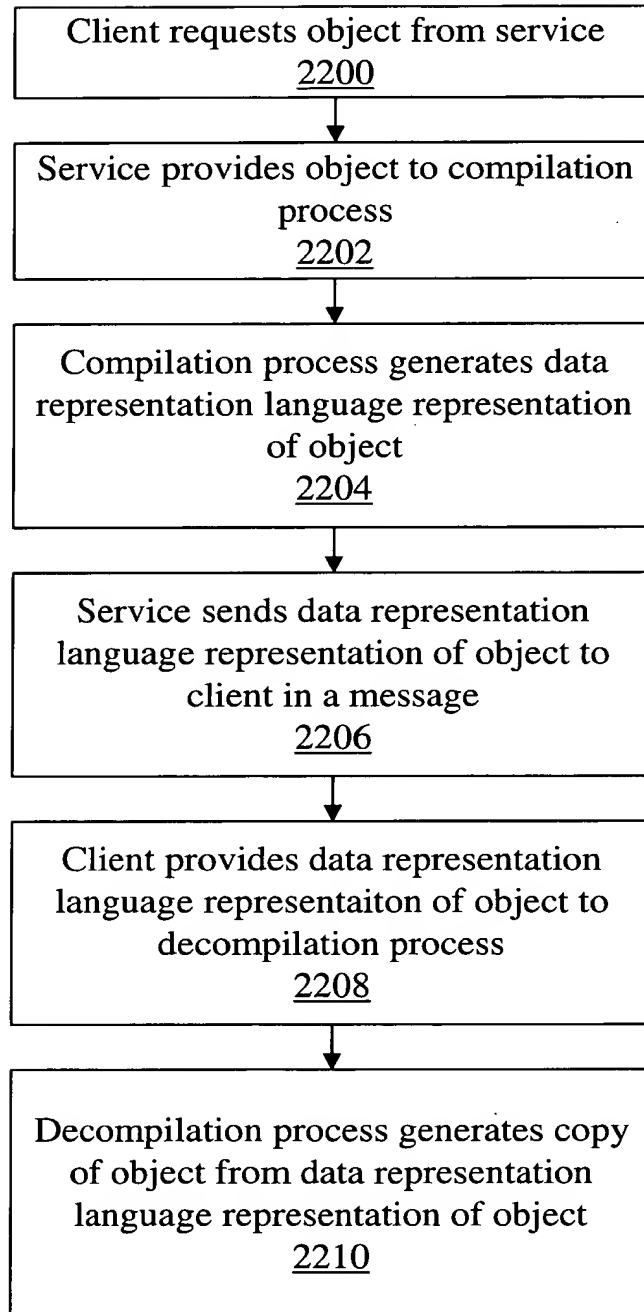


Figure 46

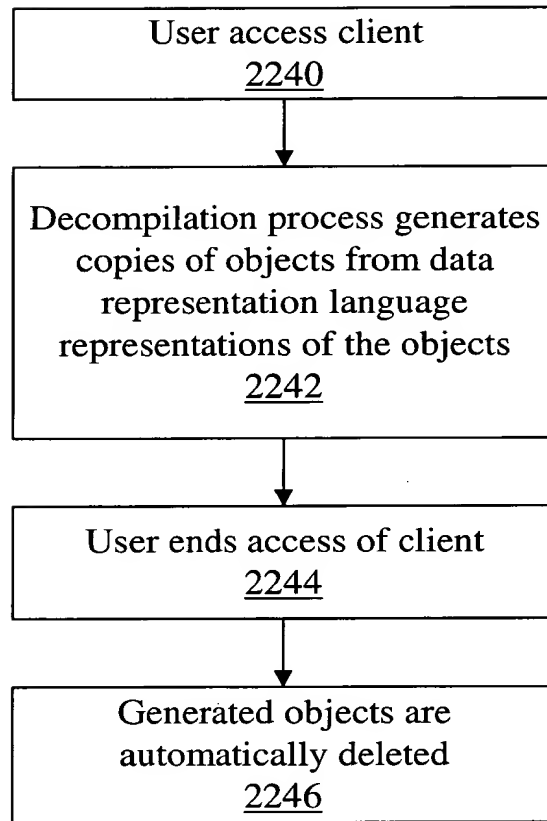


Figure 47

Process executes within a first device
2260

Convert current computation state to a data
representation language representation of the state
2262

Store the data representation language
representation of the current computation state
2264

Second device accesses the data representation
language representation of the current
computation state of the process
2266

Reconstitute the process at the current state on the
second device
2268

Figure 48